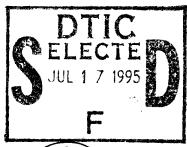
ANNUAL PROGRESS REPORT

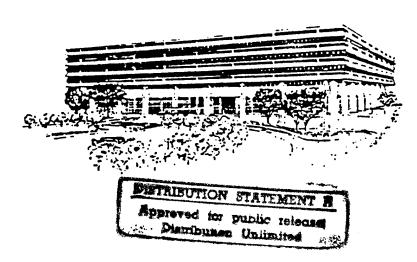
FY-94





VOLUME I





DEPARTMENT OF CLINICAL INVESTIGATION WALTER REED ARMY MEDICAL CENTER WASHINGTON, DC 20307-5001

CLINICAL INVESTIGATION PROGRAM RCS MED-300(RI)

DTIC QUALITY INSPECTED 5

ANNUAL PROGRESS REPORT

FY-94



VOLUME I





DEPARTMENT OF CLINICAL INVESTIGATION WALTER REED ARMY MEDICAL CENTER WASHINGTON, DC 20307-5001

CLINICAL INVESTIGATION PROGRAM RCS MED-300(RI)

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13. ABSTRACT (Maximum 200 words)

This report identifies approved clinical research activities conducted at Walter Reed Army Medical Center through protocols approved by the Clinical Investigation Committee (CIC), the Human Use Committee/Institutional Review Board (HUC/IRB), and the Institutional Laboratory Animal Care and Use Committee (IACUC), as appropriate. This report includes a Detail Summary Sheet outlining the progress of each protocol during Fiscal Year 94. Also included is a list of all known presentations and publications related to approved studies, as well as an addendum listing presentations and publications not related to approved clinical investigations. All research was conducted under the provisions of AR 40-38 (Clinical Investigation Program), AR 40-7 (Use of Investigational Drugs in Humans and the Use of Schedule I Controlled Drug Substances), AR 70-25 (Use of Volunteers as Subjects of Research), HSC Regulation 40-23 (Management of Clinical Investigations, Protocols, and Reports), and AR 70-18 (The Use of Animals in DOD Programs).

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FORWARD

The Annual Progress Report (APR) documents the continuing review during FY-94 of research approved by the Clinical Investigation Committee (CIC), the Institutional Laboratory Animal Care and Use Committee (IACUC), and the Human Use Committee/Institutional Review Board (HUC/IRB) of Walter Reed Army Medical Center (WRAMC). The review of each research protocol is initiated by the Department of Clinical Investigation (DCI) on the anniversary month of its approval. At that time, a request is sent to the principal investigator for submission of a progress report. The completed report consists of a detail summary sheet, a copy of the approved consent form, and a questionnaire regarding the continuing review of human subject participation or animal use. Members of the HUC/IRB or IACUC review the progress reports throughout the year, and one of the following recommendations is made: approval, 2) request additional information, or 3) request termination of the protocol. The members' recommendations are presented monthly to the HUC/IRB or IACUC for final approval. The approved detail summary sheets of 556 protocols are included in this document.

The FY-94 APR process at WRAMC was administered by the Editorial Office, Research Administration Service, Department of Clinical Investigation.

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TABLE OF CONTENTS

		VOL#	PAGE#
I.	UNIT SUMMARY		
	A. Objective	I	3
	B. Technical Approach	I	3
	C. Organization Scheme	I	3
	D. DCI Staff	I	4
	E. DCI Financial Support	I	. 9
	F. Research Activity	I	10
II.	PROTOCOL EXPENSES BY DEPARTMENT	I	23
III.	PROTOCOL LIST BY DEPARTMENT	I	32
IV.	LIST OF PUBLICATIONS, PRESENTATIONS, AND ABSTRACTS BY DEPARTMENT	I	84
	AND ABSTRACTS BY DEPARTMENT	1	54
v.	AUTHOR INDEX	I.	203
VI.	INVESTIGATOR INDEX	I	239
VII.	SUBJECT INDEX	I	248
VIII.	DETAIL SUMMARY SHEETS	II	1-556

I. UNIT SUMMARY

A. OBJECTIVE

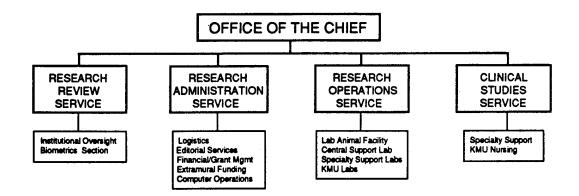
To implement and manage the clinical investigation program at Walter Reed Army Medical Center (WRAMC) by promoting, supporting, coordinating, planning, conducting, and publishing ethical, scientific inquiry into clinical health problems of beneficiaries of the military health care system, to include studies in humans and animals.

B. TECHNICAL APPROACH

The clinical investigation program at WRAMC is conducted in accordance with the following:

AR 40-7	Use of Investigational Drugs in Humans and the Use of Schedule I Controlled Drug Substances
AR 40-38	Clinical Investigation Program
AR 70-18	The Use of Animals in DOD Programs
TB MED 525	Control of Hazards to Health from Ionizing Radiation Used by the Army Medical Department
HSC 40-23	Management of Clinical Investigation Protocols and Reports
WRAMC 70-1	Clinical Investigation Program, WRAMC Research Activities
45 CFR 46	Protection of Human Subjects
21 CFR A, D, & F	Food and Drug Administration

C. ORGANIZATION SCHEME



D. DCI STAFF [Positions as of 30 September 1994; suffix (G) reflects grant-funded employees]

Description	GRADE	MOS	BRANCH	NAME	ACTIVITY
OFFICE OF THE CHIEF					
Chief	06	60G	MC	Sjogren, MH	DCI
Secretary	07	0318	GS	Ross, D	DCI
NCOIC	E7	91K30	NC	Martinez, C	DCI
RESEARCH REVIEW SERV	ICE				
Chief	05	61D	MC	Tsokos, GC	DCI
Supv Statistician	14	1530	GS	Chang, AS	DCI
Statistician	12	1530	GS	Howard, RS	DCI
Research Coordinator	09	1083	GS	Coleman-Fraser, E	DCI
Editorial Asst	05	1087	GS	Green, IL	DCI
RESEARCH ADMINISTRAT	ION SERV	ICE			
Chief	12	0501	GS	Burton, ME	DCI
Asst Administrator	E 6	91K30	NC	Floyd, K	DCI
Computer Spec (Prog)	11	0334	GS	Rose, JG	DCI
Computer Spec (Prog)	11	0334	GS	Gomez, RJ	DCI
Tech Pub Editor	09	1083	GS	Walden, JF	DCI
Editorial Asst	07	1087	GS	Vacant	DCI
Editorial Asst	07	1087	GS	Vacant	DCI (G)
Editorial Asst	06/07	1087	GS	Muchui, MJ	DCI
Supply Technician	06	2005	GS	Thomas, DR	DCI
Clerk Typist	04	0303	GS	Franklin, AF	DCI

DESCRIPTION	GRADE	Mos	BRANCH	NAME	ACTIVITY
RESEARCH OPERATIONS	SERVICE				
Chief	05	71A67	MS	Kelly, DJ	DCI
Med Lab NCO	E 6	91K30	NC	Floyd, K	DCI
Lab Animal Facil:	ity				
Bio Lab Tech	10	0404	GS	Bailey, LR	Animl Resch
Bio Lab Tech	09	0404	GS	Jackson, D	Animl Resch(G)
Central Research	Support I	ab			
Chief	04	71B67	MS	Borschel, R	DCI
Chemist	12	1320	GS	Abdel-Rahim, M	DCI
Chemist	11	1320	GS	Bednarek, J	DCI
Med Lab NCO	E6	91K30	NC	Hillanbrand, D	DCI
Bio Sci Asst	E4	91KP9	EN	Taher, M	DCI
Bio Sci Asst	E4	91KP9	EN	Webster, V	DCI
Med Lab Spec	E4	91K10	EN	Curtner, D	DCI
Med Lab Spec	E4	91K10	EN	Allen, R	DCI
Specialty Support	t Labs				
Resch Chemist	13	0644	GS	Salata, KF	Allergy
Microbiologist	12	0403	GS	Billups, L	Flow Cytom
Microbiologist	12	0403	GS	Dobek, AS	Inf Disease
Med Technologist	11	0644	GS	Vacant	Allergy
Chemist	12	1320	GS	Maydonovitch, CL	GI
Med Technologist	11	0644	GS	Kapur, JJ	DCI
Med Technologist	11	0644	GS	Burgess, D	Pediatrics

DESCRIPTION	grade	MOS	BRANCH	NAME	ACTIVITY
(Specialty Support La	bs con	t.)			
Med Technologist	11	0644	GS	Armstrong, J	Rheum
Med Technologist	09	0644	GS	Terrell, R	Polyp Prev(G)
Kyle Metabolic Rese	arch L	aborator	Ξ¥		
Supv Resch Chem	14	1320	GS	Vacant	Endocrine
Chemist	13	1320	GS	Vacant	Endocrine
Physiologist	12	0413	GS	Lukes, YD	Endocrine
Chemist	12	1320	GS	Nicholson, DE	Endocrine
Chemist	11	1320	GS	Lahiri, S	Endocrine
Med Technologist	11	0644	GS	Barnes, SG	Endocrine
Med Technologist	11	0644	GS	Anderson, JS	Endocrine
Bio Lab Tech	09	0404	GS	Jenkins, EL	Endocrine
Editorial Asst	07	1087	GS	Jacobson, A	Endocrine
Med Technician	05	0645	GS	Martin, JL	Endocrine
Secretary	05	0318	GS	Phuong, U	Endocrine
Med Lab NCO	E 6	91K30	NC	Arledge, H	Endocrine
Bio Sci Asst	E6	91KP9	NC	Baptiste, V	Endocrine
CLINICAL STUDIES SERV	CE				
Specialty Support					
C, Nutrition Care	03	65C00	SP	Patton, B	KMU
Medical Officer	15	0602	GS	Popovic, NA	Ortho Resch
Research Nutritionist	13	0630	GS	Mateski, DJ	Polyp Prev(G)
Resch Audiologist	12	0665	GS	Clay, J	AA&SC(G)
Gen Health Sci	12	0601	GS	Summers, WV	AA&SC(G)
Resh Psychologist	12	0180	GS	Hamm, C	Sleep Resch

DESCRIPTION	GRADE	MOS	BRANCH	NAME	ACTIVITY
(Specialty Support					77 (On (G)
Clinical Nurse	12	0610	GS	Jamison, J	Hem/Onc(G)
Resch Asst	12	0610	GS	Solomon, BL	KMU
Nurse Specialist	12	0610	GS	Myers, DV	Urology(G)
Nurse Specialist	12	0610	GS	Abt, MB	Urology
Nurse Specialist	11	0610	GS	Vacant	Ortho Resch
Nurse Specialist	11	0610	GS	Pangaro, K	Pulmonary(G)
Nurse Specialist	11	0610	GS	Argauer, K	Pulmonary(G)
Nurse Specialist	11	0610	GS	Kushner, G	Pulmonary(G)
Dietitian	11	0630	GS	Stoute, E	Polyp Prev(G)
Dietitian	11	0630	GS	Hancock, S	Polyp Prev(G)
Dietitian	11	0630	GS	Miskovsky, VJ	Polyp Prev(G)
Nurse Specialist	11	0610	GS	Vacant	Polyp Prev(G)
Cardiorespir Tech	E 6	91B30	NC	Land, R	Sleep Resch
Secretary	06	0318	GS	Satterwhite, D	Polyp Prev(G)
Secretary	05	0318	GS	Bryson, DD	Hem/Onc(G)
				All	
Kyle Metabolic U	nit Nursi	ng Serv	rice		
Supv Clin Nurse	12	0610	GS	Parchment, VA	Endocrine
Clinical Nurse	11	0610	GS	Bicknell, E	Endocrine
Clinical Nurse	11	0610	GS	Andersen, L	Endocrine
Clinical Nurse	11	0610	GS	Coleman, A	Endocrine
Clinical Nurse	11	0610	GS	Chaudhari, NP	Endocrine
Clinical Nurse	11	0610	GS	Saxon, NJ	DCI
Clinical Nurse	11	0610	GS	Battle, OM	DCI
Clinical Nurse	11	0610	GS	Vacant	DCI
Clinical Nurse	10	0610	GS	Burman, MS	DCI

		1200	2.02.02		
(Kyle Metabolic Unit	Nursing	Service	cont.)		
Clinical Nurse	10	0610	GS	Stewart, MO	DCI
Clinical Nurse	9/11	0610	GS	Vacant	DCI
Nurse Asst	05	0620	GS	Keeve, ML	DCI

BRANCH

NAME

ACTIVITY

MOS

GRADE

DESCRIPTION

Because of continuing severe budget constraints, the Department of Clinical Investigation was held to strict limitations on replacing civilian employees when positions were vacated. This resulted in a net decrease of one WRAMC-funded civilian employee, from 46 to 45. Within the administrative sections, the only addition was that of gaining an authorization to hire a Computer Specialist (Programmer) against an established requirement. loss was replaced, that of the Secretary to the Chief. Grant-funded civilian employees decreased by two, from 17 to 15. The Specialty Support Section of the Clinical Studies Service, which was established during FY-93 as part of a reorganization of the Department's TDA to prepare for the downsizing, saw a reduction from 20 to 19 with the loss of a dietitian supporting the NIHfunded Polyp Prevention Trial. DCI had no gain in officer strength. In July 1994, the Department saw a change in command with the Chief, COL H. Linton Wray, MC, departing to report to the North Atlantic Health Service Support Area Headquarters as Chief of Health Systems Management. Replacing COL Wray as Chief is COL Maria H. Sjogren, MC, formerly a staff gastroenterologist and hepatologist at WRAMC. In May 1994, CPT Matthew Payne, Assistant Chief, Research Operations Service, departed to pursue a civilian career in industry. His replacement, MAJ Richard Borschel, arrived in July from longterm civilian training towards a doctorate in Immunology from Cornell University. The Army Medical Specialist Corps Clinical Investigation Service was transferred to the U.S. Army Research Institute of Environmental Medicine in Natick, Massachusetts. During the year the command reduced the enlisted authorizations from 12 to 6, and all O1H research technician (91KP9) The Department will feel the effect of these losses positions were lost. during late FY-94 and early FY-95. At the end of the fiscal year, the total assigned personnel was at 75, down from the all time high of 78 last year.

More than \$658,900 in extramural funding was obtained from the National Institutes of Health to support personnel costs for clinical and laboratory

research being conducted in the Hematology-Oncology Service, the Army Audiology and Speech Center, the Gastroenterology Service, and the Urology Service. These monies were used to fund personnel such as Ph.D.-level researchers, study nurses and coordinators, dietitians, and support staff.

Two civilian staff members received awards for their exceptional contributions to the Clinical Investigation mission. In recognition of his exemplary career, Mr. Mack Burton, Chief of the Research Administration Service, was awarded one of the highest civilian honors, the Meritorious Civilian Service Award. As a result of her many contributions to the Department over the past 6 years, Ms. Robin Howard, Biostatistician, Research Review Service, received the Commander's Award for Civilian Service.

E. DCI FINANCIAL SUPPORT

	FY-90	FY-91	FY-92	FY-93	FY-94
Civilian Personnel	\$1,500,001	\$1,922,896	\$2,365,661	\$2,410,306	\$2,285,278
Consumable Supplies	\$ 708,572	\$ 650,531	\$ 834,703	\$ 818,131	\$ 754,700
Civilian Contracts	\$ 107,000	\$ 204,385	\$ 123,186	\$ 141,816	\$ 162,000
TDY	\$ 36,102	\$ 31,399	\$ 54,433	\$ 59,764	\$ 56,833
Travel (non-federal sources)			\$ 22,211	\$ 14,802	\$ 46,735
Capital Expense Equipment Program	\$ 30,932	\$ 77,164	\$ 270,374	\$ 270,462	\$ 32,000
MEDCASE BLIC-F	\$ 572,892 	\$1,000,076 	\$1,438,216 	\$ 670,110	\$ 763,506 \$ 300,000
Extramural Funding Grants (NIH, MRMC, etc) NIH MRMC Tri-Svc Nursing GOG	\$ 528,140 	\$ 500,252 	\$ 913,851 	\$1,118,690 	\$ 658,917 \$ 332,770 \$ 135,210 \$ 81,000
Military	\$ 392,137	\$ 397,960	\$ 402,488	\$ 451,683	\$ 454,903
Construction/Renovation	•••		•		\$1,250,000
TOTAL	\$3,875,776	\$4,784,664	\$6,425,123	\$5,955,764	\$7,313,852

The Clinical Investigation Program maintained a high level of activity during 1994 with a record number of active protocols (764 compared to 717 last year) despite losing personnel, a hiring freeze for civilian personnel, and a decrease in financial support for CEEP requirements.

F. RESEARCH ACTIVITY

1. Accomplished in FY-94

With the mission to empower WRAMC researchers from planning to publication, the Department of Clinical Investigation (DCI) supported a record total of 764 active protocols this year (Table I). Twenty-seven percent (208) of these studies were newly approved during the fiscal year, leaving 556 ongoing for at least one year that are summarized in this report. Medical Corps activities accounted for 81% of the investigations, and less than 1% were conducted at Army Community Hospitals in the Walter Reed Health Service Region.

TABLE I. WRAMC Protocol Activity

The state of the s					
PROTOCOLS	FY-90	FY-91	FY-92	FY-93	FY-94
ONGOING at the begining of FY	520	552	535	551	556
NEWLY APPROVED (+)	172	153	180	166	207
TOTAL ACTIVE During FY	692	705	715	717	764
COMPLETED (-)	128	164	153	148	197
TERMINATED (-)	12	6	11	13	15
ONGOING at the end of FY	552	535	551	556	551

Human studies accounted for 91% of the investigations, with 37% involving research therapies including investigational drugs or devices and cooperative oncology group studies (Table II). Animal studies accounted for 8%, and laboratory studies accounted for 1%.

TABLE II. WRAMC FY-94 Active Investigations by Subject

SUBJECT			ACTIVE #	STUDIES (%)
Human			696	(91)
Investigational New Drug	59	• •		
Investigational Device		(<1%)		
Cooperative Oncology Group		(29%)		
Descriptive - Expedited Greater Risk		(24%) (38%)		
Animal		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	57	(8)
Laboratory			11	(1)
			764	(100)

Publication and presentation productivity by WRAMC staff included 363 published articles, 225 published abstracts, and 560 conference presentations (Table III).

TABLE III. WRAMC Publications and Presentations

FY-90	FY-91	FY-92	FY-93	FY-94
276⁺	285 ⁺	369⁺	334+	363*
67	75	97*	214 [‡]	225*
106	110	232	312	560°
	276⁺ 67	276 ⁺ 285 ⁺	276 ⁺ 285 ⁺ 369 ⁺ 67 75 97 [‡]	276 ⁺ 285 ⁺ 369 ⁺ 334 ⁺ 67 75 97 ^{\$} 214 ^{\$}

^{*} Fully referenced publications (e.g., journal articles, book chapters)

⁺ Publications related to approved clinical investigations: FY-90 = 62; FY-91 = 71; FY-92 = 114; FY-93 = 138; FY-94 = 116

[#] Abstracts related to approved clinical investigations: FY-92 = 91;
FY-93 = 56; FY-94 = 148

 $[\]Diamond$ Presentations related to approved clinical investigations: FY-94 = 254

During the past fiscal year, major changes were seen as a result of the DCI Strategic Planning process that was initiated in August 1991. Reorganization of the Department's TDA continues to be implemented and will be completed with the abolishment of the Kyle Metabolic Unit Nursing Service during early FY-95. A \$1,000,000 contract was awarded, and work began on the renovation of the laboratory animal facility, with an expected completion date of March 1995. The effect of this renovation will elevate the facility's standards to a level eligible for accreditation by the American Association for Accreditation of Laboratory Animal Care (AAALAC). Lastly, execution of the DCI Master Plan is proceeding, with Building 7 designated to house research laboratory space.

Plans continued throughout the year for the relocation of the Department to the Base Realignment and Closure (BRAC) Building (Bldg. 6) currently under construction. The expected move should take place in the spring or early summer of 1995. Over \$300,000 was received this year in funds through the Base Realignment Program to purchase equipment and furnishings for the new offices.

Under the auspices of the WRAMC Professional Education and Training Committee, the second WRAMC Research Course was completed in the fall. Attending the 14-hour course were 98 investigators, both physicians in training and WRAMC staff. Course evaluations were extremely favorable, and a third course is being developed for the fall of 1995. Arrangements are being made to move the course to an off-site location to provide attendees with an environment to devote themselves to the entire program.

The prestigious Bailey K. Ashford Clinical Research Award is bestowed annually on a member of the year's graduating class whose research accomplishments excelled during training. Seventeen graduating trainees, representing 13 training programs, were nominated for the 1994 award. A selection committee named five semi-finalists and five finalists. The finalists presented their results at a symposium on 25 May 1994 sponsored by the Department of Clinical Investigation. The 1994 finalists were: MAJ Gregory J. Argyros, Fellow, Pulmonary and Critical Care Medicine Service, Department of Medicine, "The Refractory Period After Eucapnic Voluntary Hyperventilation and its Effect on Challenge Technique"; MAJ John K. Hamelink, Fellow, Vascular Surgery Service, Department of Surgery, "Inhibition of Platelet Accumulation by HirulogTM and Aspirin in a Carotid

Endarterectomy Model"; MAJ Jose A. Stoute, Fellow, Infectious Disease Service, Department of Medicine, "The Phage Epitope Library: A New Tool for Vaccine Development"; CPT Catherine A. Welch, Resident, Pediatric Endocrinology Service, Department of Pediatrics, "Evidence to Suggest Nitric Oxide is a Previously Unrecognized Regulator of Leydig Cell Steroidogenesis"; and CPT Andrew R. Wiesen, Resident, Internal Medicine Service, Department of Medicine, "Equilibration of Hemoglobin Concentration Following Transfusion of Packed Red Blood Cells." Recipient of the 1994 Bailey K. Ashford Clinical Research Award, MAJ Jose A. Stoute, was announced at graduation in June.

The Research Review Service continued to be busy with an ever-The Service worked with the increasing number of protocols being submitted. Clinical Investigation Regulatory Office to further facilitate the process of approval of protocols and the procedure for requesting and reporting the onetime use of an investigational new drug. To better assist investigators and to expedite their protocols through the approval process, a weekly pre-review meeting was established to review new submissions. Participating in this function are the Chief of the Service, the Protocol Coordinator, and the Biostatisticians. The meeting results in written comments being provided to the investigator to improve the medical/scientific content or to correct administrative deficiencies of the protocol, as needed, before going to commmittee(s). This method of pre-review has proven to expedite the protocol through the Clinical Investigation Committee, the Institutional Laboratory Animal Care and Use Committee, and/or the Human Use Committee/Institutional Review Board, as applicable. Because of personnel constraints, the Clinical Investigation Recognition Seminars were terminated during the past year; however, plans are being made to sponsor a "Research Day" for presentation of research results.

The Biometrics Section continues to provide a wide range of statistical support to investigators, to include research design, sample size estimation, data analysis, and general troubleshooting. The two Biostatisticians consulted on more than 200 protocols during the past fiscal year. Additionally, they contributed significantly as co-authors or consultants on an increasing number of research manuscripts published in refereed, peer reviewed journals. Both Biostatisticians play key roles in the workshops and research courses sponsored by the Department, as well as offering one-on-one teaching to investigators almost daily. The Section remains vital in facilitating and enhancing the functions and capabilities of data analysis.

Many powerful and user-friendly statistical software tools for data analysis are available to researchers in the DCI Computer Lab or through network connection. Software includes STATISTICS 4.0, SPSS 6.01 WINDOWS, BMDP, and SOLO Power Analysis and Cohen's Power Analysis programs for sample size estimation. Other customized programs include Fisher Exact Test, 95% Confidence Intervals for Proportions, Odds Ratio test, T-Test, and Randomization.

The Research Administration Service provided support for the Department and all WRAMC investigators, managing intra- and extramural monies totalling over \$7.3 million. Of this amount, \$763,506 was received by the Department in MEDCASE funds, which was a increase of just under \$100,000. Extramural funding continued to expand, up \$8,200 from 1994, and includes support from the National Institutes of Health (NIH), the U.S. Army Medical Research and Materiél Command (MRMC), and the Tri-Service Military Nursing Research Program.

During the past year, there was continued development of the Extramural Funding Office. All extramural protocols are processed through this office for adherence to guidelines and regulations and for scientific/medical editorial review. For the purposes of this office, extramural is defined as providing support to this institution; be it money, consumable supplies, personnel, equipment, etc., to conduct research. Through the use of e-mail, WRAMC staff members were notified of extramural funding opportunities as they were identified. Investigators submitted 16 proposals to the Defense Women's Health Research [Intramural] Program, implemented by the MRMC, with 10 (62.5%) proposals approved for FY-95 funding. Additionally, there are several collaborative efforts between WRAMC and the private sector that are pending funding through the Defense Women's Health Research [Extramural] Program. During the fiscal year, approval was obtained to begin utilizing the Cooperative Research and Development Agreement (CRDA) to transfer research resources between the government and the private sector. CRDA with WRAMC was written late in the fiscal year and is currently being processed for approval. Six others are in the formulative stage. A workshop is being planned for early FY-95 that will offer staff an opportunity to learn more about how to conduct extramurally supported research at WRAMC. Insight will be provided on how DCI can assist investigators with extramural resources, and representatives from the Henry M. Jackson Foundation for the Advancement of Military Medicine and the Facilitators of Applied Clinical

Trials will participate in the program. Due to the loss of two Editorial Assistants, the Editorial Office no longer provides services to investigators/authors in composing research protocols and manuscripts. The compilation of the Annual Progress Report continues to closely monitor the progress of ongoing research projects. All reports are submitted within 30 days of the anniversary date of approval, or the protocol is administratively terminated. Additionally, the Editorial Office continues to update the "Clinical Investigator's Guide," explaining the research review process and research resources at WRAMC and providing checklists, formats, and guidelines. To assist principal investigators further, a program continues whereby the routine forms and instructions required to compile a protocol are available to researchers on user-friendly computer diskettes.

The Computer Operations Section continued expanding and optimizing support applications for staff and investigators in both the computer lab and on the WRAMC-wide research network, DCINET. Improvements included PC and MAC workstation upgrades, incorporation of DDN/INTERNET services, and network server upgrades that allowed expansion and optimization of the centralized database services. The Section worked with the Directorate of Information Management to contract the initiation of a new LAN infrastructure for the WRAMC campus.

During FY-94, MAJ Richard Borschel reported as the new Assistant Chief of the Research Operations Service. Renovation of the laboratory animal facility began in February 1994 and is expected to be completed in March 1995. Construction on the new Infectious Disease Laboratory was completed at a cost of \$250,000, and the lab opened in March 1994. As a result of the decreased number of enlisted personnel to support the Service, a number of laboratory consolidations were initiated to reduce duplication of effort and improve laboratory efficiency. Mr. Maged Abdel-Rahim was instrumental in implementing the use of the mass spectrometer in the Analytical Chemistry Laboratory.

The DCI Flow Cytometry Laboratory provided support for 13 fellows and a number of staff from departments around the medical center, including the Allergy-Immunology Service, Rheumatology Service, Pediatric Hematology-Oncology Service, Department of Pathology and Area Laboratories, and Pediatric Endocrinology Service, with 11 protocols initiated and/or supported during the fiscal year. The DCI Immunogenetics Laboratory was instrumental

in the successful application of several grants from industry and federal sources, which will fund approximately \$200,000 in research during FY-95. The lab provided support for five fellows and initiated and/or supported eight protocols during the fiscal year. Several of these protocols are studies dealing with Hepatitis B and C. Additionally, the laboratory has established and developed a new method of reverse transcriptase polymerase chain reaction (RT PCR) for Hepatitis C.

The Kyle Metabolic Unit Nursing Service supports 16 beds that are utilized for the evaluation and treatment of endocrine and metabolic disorders. This unit will be abolished in the upcoming fiscal year, and the clinical function will revert to the Department of Medicine. Three clinical nurses will be incorporated into the Specialty Support Section, Clinical Studies Service, DCI, and will provide support for research efforts throughout the medical center.

The 7-year polyp prevention study (NIH grant), now in its fourth year, headed by COL James Kikendall, MC, Gastroenterology Service, Department of Medicine, completed the enrollment phase. A total of 202 subjects are enrolled at WRAMC in this multi-center study of patients who have undergone colonoscopic removal of adenomas. Subjects were randomized to no intervention or to a low fat, high fiber, high fruit and vegetable diet. Nutrition counselling for those in the dietary intervention group was ongoing during this past year. Repeat colonoscopy and follow-up data collection visits were ongoing during this past year for both intervention and control participants.

As in years past, principal investigators conducting research under the Clinical Investigation Program at WRAMC continued to receive national recognition during FY-94 for their outstanding research.

- MAJ Louis Guzzi, MC, Anethesia-Operative Service, Department of Surgery, was awarded First Place, Resident Research Award, from the Maryland/ District of Columbia Society of Anesthesiology, for his paper entitled "Patterns of Ischemia: Holter Monitoring Following Non-Cardiac Surgery in Patients with Previous PTCA or CABG."
- The William Beaumont Clinical Research Award was bestowed on COL James W. Kikendall, MC, Director of Clinical Services, Gastroenterology Service,

Department of Medicine. He received the award at the 20th Annual William Beaumont Symposium, Army Regional American College of Physicians Meeting, Orlando, FL, in October 1993, for his work in the areas of prevention and early detection of colonic neoplasia and adenocarcinoma.

- In October 1993, MAJ Judd W. Moul, MC, Urology Service, Department of Surgery, received the Society of Government Service Urologists Uro-Oncology Award for the best presentation on a urologic cancer topic at the Annual Kimbrough Seminar in San Diego, CA.
- For his paper entitled "The Efficacy of Different Techniques for Disinfecting Contaminated Osteoarticular Fragments and Bone-Tendon Grafts," CPT James E.B. Stuart, MC, Orthopaedic Surgery Service, Department of Surgery, received the Norman T. Kirk Award. Dr. Stuart presented his work at the 35th Annual Meeting of the Society of Military Orthopaedic Surgeons, Bethesda, MD, in December 1993.
- CPT William DeVries, MC, Orthopaedic Surgery Service, Department of Surgery, was the recipient of the Founder's Award of the Society of Military Orthopaedic Surgeons for his study "Evaluation of the Lateral Ankle Ligaments and Effectiveness of Ankle Braces During Rotational Forces Across the Ankle Joint," which he presented in Bethesda, MD, in December 1993.
- Nine WRAMC internal medicine residents received awards for their research from the American College of Physicians (ACP) and were asked to present or display their work at the ACP's scientific meeting held at the Uniformed Services University of the Health Sciences, Bethesda, MD, in January 1994. The awardees and their work were:
- CPT Kevin I. Glass, MC, presented his work entitled "Pulse Oximetry Correction for Smoking Exposure."
- CPT Jennifer Thompson, MC, presented her work entitled "Curative Radiation Therapy in Hodgkin's Disease: Long-Term Followup."
- CPT Andrew R. Wiesen, MC, presented his study entitled "Equilibration of Hemoglobin Following Transfusion."
- CPT Barry Aaronson, MC, displayed his poster entitled "Severe Hemolytic Anemia After Hepatitis B Vaccination."
- CPT J. C. Byrd, MC, displayed a poster entitled "Fludarabine Therapy in Lymphoid Malignancies is Associated with a High Number of Opportunistic Infections."

- CPT W. Jeffrey Endenfield, MC, displayed his poster entitled "Anti-JO-I Associated Polymyositis as a Cause of Fever of Unknown Origin."
- CPT Michael Gordon, MC, displayed his poster entitled "The Effect of Anti-Rho(D) in Adult Patients with Immune Thrombocytopenic Purpura."
- CPT Duane Hospenthal, MC, displayed his poster entitled "Trends in Fungi Recovered from Urine Following the Introduction of Fluconazole."
- CPT Patrick O'Malley, MC, displayed his poster entitled "The Value of Screening for Psychiatric Disorders Prior to Upper Endoscopy."
- CPT Jennifer Thompson, MC, displayed her poster entitled "Dyspnea on Exertion and Abnormal Cardiopulmonary Testing in Addison's Disease."
- The Kershisnik Award of Excellence, Best Research Paper Presentation, was bestowed on CPT Katherine A. Ward, MC, Orthopaedic Surgery Service, Department of Surgery, in March 1994. The award was given for her research "Intraosseous Calcanea Liphoma: Review of the Literature with a Case Report."
- CPT Jeffrey J. Meter, MC, Orthopaedic Surgery Service, Department of Surgery, received the Resident Research Award, Third Place, from the Washington Orthopaedic Society Residents Competition, in April 1994 for his work entitled "A Method for Radiographic Evaluation of Pedicle Screw Violation of the Vertebral Endplate."
- The Resident/Fellow Research Award, the Eastern Orthopaedic Association, was awarded in May 1994 to MAJ Patrick St. Pierre, MC, Orthopaedic Surgery Service, Department of Surgery, for his study entitled "Tendon Healing to Cortical Bone Versus a Cancellous Trough: A Biomechanical and Histological Evaluation in the Goat."
- In June 1994, COL Cynthia A. Gurney, AN, Nursing Research Service, received the Phyllis J. Verhonick Nursing Research Award for recognition of her research "Adaptation of Medical Personnel to Combat." The award was presented at The Army Nurse Corps Phyllis J. Verhonick Biennial Reseach Symposium, Denver, CO.

2. Planned for FY-95

The Department of Clinical Investigation hopes to maintain the essence of the Clinical Investigation Program despite severe budget restrictions in FY-95. The Bailey K. Ashford Research Symposium and the

WRAMC Research Course will be continued. Areas of particular interest for the upcoming year include the following:

- a. Continue close coordination and oversight of the renovation of the laboratory animal facility and the departmental space in the BRAC Building; both of which are due for completion during FY-95.
- b. Develop a winter DCI course to inform staff on how to enhance their research efforts through extramural support.
- c. Inaugurate a "Research Day" where investigators will be invited to present posters and oral presentations of their research.
- d. Major modernization of the computer operations services, to include: (1) operation of DCINET over the new WRAMC LAN fiber infrastructure; (2) relocation of the computer lab and the hub of operations to new facilities; (3) implementation of a new WRAMC-wide client-server database/mail central workflow that will completely automate DCI business; (4) implementation of new laboratory automation features; and (5) planning of new multi-media teaching aids for research and computer automation instruction.

3. Ongoing and Future Issues

It is probable that WRAMC activities in patient care, training, and research will change substantively in the future. The major ongoing and future issue is the same as in years past, funding of the WRAMC Clinical Investigation Program in this new environment. Envisioned is a need for personnel to assist in heavily utilized research areas; such as, Pharmacy, Extramural Funding Office, Biometrics Section, and Computer Operations. In order to generate adequate funding for this growth, a 5% access fee will be instituted on all extramurally supported protocols.

TABLE IV: Human Use Committee/Institutional Review Board Members

Kenneth Burman, COL MC	Co-Chairman Chief, Endocrine-Metabolic Service Representing Deputy Commander
Stephen Sihelnik, LTC MC	Co-Chairman Assistant Chief, Urology Service Representing Deputy Commander
George Tsokos, MAJ, MC	Acting Co-Chairman Assistant Chief, DCI
Dominic Solimando, LTC MS	OIC, Hematology-Oncology Pharmacy Representing Chief, Pharmacy Service
David DeDonato, LTC CH	Chief, Dept of Ministry and Pastoral Ca
Cheryl Hostetler, DAC	Clinical Instructor, Dietetic Internshi Education and Research Nutrition Care Directorate Representing Ch, Nutrition Care Dir
Eric Marks, MD*	Associate Professor Dept of Medicine, USUHS
Laurel Meaney, DAC	Patients' Rights Representative, WRAMC
Frederick Miller, MD PhD*	Medical Officer U. S. Food and Drug Administration
Scott Murdoch, JD	Chief, Claims Office Representing Center Judge Advocate
Jean Reeder, COL AN	Chief, Nursing Research Service Representing Chief, Dept of Nursing
Robert Smallridge, COL MC*	Chief, Dept of Clinical Physiology Division of Medicine, WRAIR Representing Director, WRAIR
Estelle Coleman-Fraser, DAC	Research Review Coordinator Department of Clinical Investigation
*Non-affiliated	

TABLE V: Clinical Investigation Committee Members

George Tsokos, MAJ MC	Acting Chairman Assistant Chief, DCI
Ana Rodriguez, COL MC	Chief, Nuclear Medicine Representing Radiation Control Comm
Audrey Chang, PhD	Supervisory Statistician, DCI
Paul Welch, MAJ MC	Chief, Nephrology Service Representing Chief, Dept of Medicine
Scott Murdoch, JD	Chief, Claims Office Representing Center Judge Advocate
Jean Reeder, COL AN	Chief, Nursing Research Service
Douglas Hale, MAJ MC	Staff, General Surgery Service Representing Chief, Dept of Surgery

TABLE VI: Rotating Senior Investigators, Clinical Investigation Committee

Majorie Leek, PhD	Army Audiology & Speech Center
Barbara Schenok, MD	Neurology Service
Normund Wong, COL MC	Department of Psychiatry
Roy Wong, COL MC	Gastroenterology Service
Gary Carpenter, COL MC	Allergy-Immunology Service
Russell Moores, MAJ MC	Department of Pediatrics

TABLE VII: Institutional Laboratory Animal Care and Use Committee Members

George Tsokos, MAJ MC	Acting Chairman Assistant Chief, DCI
Judith Davis, MAJ VC	Attending Veterinarian Chief, Animal Resource Department, Div of Veterinary Medicine, WRAIR
Daryl Kelly, LTC MS	Ch, Research Operations Service Dept of Clinical Investigation, WRAMC
Hernando Mena, LTC MC*	Asst Chairman, Dept of Neuropathology Armed Forces Institute of Pathology
Ted Hadfield, LtCol BSC*	Chief, Division of Microbiology Armed Forces Institute of Pathology
Lynn Bailey, DAC	Laboratory Animal Technician Dept of Clinical Investigation
*Non-affiliated	

TABLE VIII: HIV Research/Clinical Investigation Committee Member

Jeffrey Lennox, MAJ MC	Staff, Infectious Disease Service Representing Program Director, HIV Research, Jackson Foundation

EXPENSES FOR PROTOCOLS OF CURRENT AND PREVIOUS FISCAL YEARS, BY DEPARTMENT AND SERVICE, LISTED IN ALPHABETICAL ORDER

DEPARTMENT/	PROTOCO		CURRENT	TOTAL
SERVICE	NUMBER:		<u> </u>	(\$)
ALLERGY - IMMUNO			•	0.650
	1400-88	2,658	0	2,658
	3343	737	0	737
	3346	1,630	20	1,650
	3349	2,763	0	2,763
	3350	48	0	48
	3351	331	0	331
	3352	2,357	0	2,357
	3353	530	0	530
	3354	4,403	0	4,403
	3355	655	0	655
	3357	13,444	526	13,970
	3358	6,362	320	6,682
	3359	834	20	854
	3360	632	0	632
	3363	1,154	690	1,844
	3364	3,509	1,386	4,895
	3365	11,276	708	11,984
	3366	4,505	47	4,552
	3367	14,074	62	14,136
	3368	3,167	479	3,646
	3371	0	1,213	1,213
	4804	0	1,143	1,143
	4815	0	643	643
	4817	0	4,404	4,404
	6276	2,374	50	2,424
	9286	8,272	1,750	10,022
	TOTAL	85,715	13,461	99,176
DEPARTMENT OF			,	. ,
	3709	56,711	6,419	63,130
	3714	4,157	5,675	9,832
	3715	29,592	21,543	51,135
	9275	16,791	0	16,791
	9284	5,792	1,325	7,117
	9285	1,729	526	2,255
	9288	1,725	1,750	1,750
	TOTAL	114,772	37,238	152,010
HIV RESEARCH	101111	117,772	37,230	132,010
III V KDDIMKOII	8802	996	0	996
	TOTAL	996	0	996
DEPARTMENT OF		330	U	750
Cardiology				
Gardiology	1264	517	0	517
	1264			
		$\frac{9,401}{9,918}$	7,765 7,765	$\frac{17,166}{17,683}$
	TOTAL	7,710	7,703	17,005

 $[\]star$ Protocol is not listed if total expense is zero.

EXPENSES FOR PROTOCOLS OF CURRENT AND PREVIOUS FISCAL YEARS, BY DEPARTMENT AND SERVICE, LISTED IN ALPHABETICAL ORDER

DEPARTMENT/	PROTOCOL	PRIOR	CURRENT	TOTAL
SERVICE	NUMBER*	FY's (\$)	FY (\$)	(\$)
DEPARTMENT OF	MEDICINE			
Dermatolog	y Service			
	1815	$\frac{1,100}{1,100}$	0	1,100
	TOTAL	1,100	0	$\frac{1,100}{1,100}$
DEPARTMENT OF				•
Endocrine-	Metabolic Se	rvice		
	1311-88	658	300	958
	1312-89	737	0	737
	1316-89	5,006	10,082	15,088
	1328-90	45,637	39,754	85,391
	1329-90	236	0	236
	1330-90	0	2,888	2,888
	1331-91	3,221	0	3,221
	1333-91	31,004	261	31,265
	1334-91	48,725	2,572	51,297
	1335-91	35,044	15,959	51,003
	1336-91	17,177	672	17,849
	1337-91	0	6,780	6,780
	1340-91	778	746	1,524
	1341-92	0	827	827
	1342-92	8,422	4,697	13,119
	1343-92	70,849	30	70,879
	1346-92	12,398	5,416	17,814
	1349-92	7,776	11,747	19,523
	1351-92	0	909	909
	1352-92	0	15,648	15,648
	1354-92	0	25,049	25,049
	1356-92	4,352	16,123	20,475
	1357-92	0	2,968	2,968
	1358-92	0	2,075	2,075
	1359-92	68,425	645	69,070
	1360-93	0	16,053	16,053
	1361-93	0	24,799	24,799
	1362-93	0	7,887	7,887
	1371-86	11,403	0	11,403
	1385-87	65,494	0	65,494
	TOTAL	437,342	214,887	652,229
DEPARTMENT OF				
Gastroenter	ology Servic			
	1404	100	0	100
	1406	10,467	1,116	11,583
	1408	0	64	64
	1410	0	1,016	1,016
	1411	1,510	0	1,510
	1413	34,319	5,053	39,372

^{*} Protocol is not listed if total expense is zero.

EXPENSES FOR PROTOCOLS OF CURRENT AND PREVIOUS FISCAL YEARS, BY DEPARTMENT AND SERVICE, LISTED IN ALPHABETICAL ORDER

DEDARTMENT /	PROTOCOL	PRIOR	CURRENT	TOTAL
DEPARTMENT/		FY's (\$)	FY (\$)	(\$)
SERVICE DEDARTMENT OF	NUMBER*	<u> FI S (9)</u>	11 (4)	
DEPARTMENT OF		no (continued)		
Gastroente		ce (continued) 20,014	0	20,014
	1417 1421	•	672	1,242
		570		8,138
	1423	6,763	1,375	
	1425	0	792	792
	1497	1,250	0	1,250
	TOTAL	74,993	10,088	85,081
DEPARTMENT OF				
General Me	dicine Servi			
	1032	0	605	605
	1033	0	3,231	<u>3,231</u>
	TOTAL	0	3,836	3,836
DEPARTMENT OF	MEDICINE			
Hematology	-Oncology Se	rvice		
•	1681	3,621	1,789	5,410
	1684	0	190	190
	TOTAL	3,621	1,979	5,600
DEPARTMENT OF	MEDICINE	,	·	
Nephrology				
	1157	7,796	0	7,796
	1161	3,530	709	4,239
	1162	13,641	1,725	15,366
	1163	0	6,014	6,014
	1164	16,810	18,944	35,754
	1165	7,455	3,185	10,640
	1166	4,582	7,527	12,109
	1167	4,324	5,434	9,758
	1168	5,593	5,017	10,610
	1169	150	1,923	2,073
	1170	21,208	10,640	31,848
		0	3,348	3,348
	1171		13,866	13,866
	1172	0	•	9,844
	1173	05.000	9,844	
	TOTAL	85,089	88,176	173,265
DEPARTMENT OF		v 11 1 a		
Pulmonary		are Medicine Se		607
	3011	0	697	697
	TOTAL	0	697	697
DEPARTMENT OF				
Pulmonary	Disease Serv		_	
	1707	11,787	0	11,787
	1724	5,058	220	5,278
	1739	0	520	520
	1743	660	0	660

^{*} Protocol is not listed if total expense is zero.

EXPENSES FOR PROTOCOLS OF CURRENT AND PREVIOUS FISCAL YEARS, BY DEPARTMENT AND SERVICE, LISTED IN ALPHABETICAL ORDER

1751 0 1,154 1,15 1752 1,339 673 2,01 1753 1,364 136 1,50 1754 6,931 2,856 9,78 1762 0 779 77 9280 2,535 2,249 4,78 TOTAL 29,829 10,094 39,92 DEPARTMENT OF MEDICINE Rheumatology Service 3707 11,644 10,763 22,40 3710 12,383 7,712 20,09 3711 47,063 27,420 74,48 3712 35,816 11,855 47,67 3713 14,220 5,537 19,75 3717 0 9,090 9,090 70TAL 121,126 72,377 193,500 NEUROLOGY SERVICE 7142 295 12,000 12,29 7147 1,744 1,048 2,799 7152 0 10,346 10,346 10,344 10,763 23,394 25,433 DEPARTMENT OF NURSING 7525 29 0 29 TOTAL 2,039 23,394 25,433 DEPARTMENT OF OBSTETRICS AND GYNECOLOGY Gynecologic Oncology Group 4265 29 946 946 TOTAL 298 0 238 DEPARTMENT OF PATHOLOGY AND AREA LABORATORIES 4816 0 3,316 3,316 DEPARTMENT OF PEDIATRICS 6064 32,931 2,873 35,804 6256 3,104 1,327 4,433 6257 37,021 4,033 41,054 6267 0 372 372 6275 0 352 352 6299 10,677 1,160 11,837 6300 25,523 269 25,792 6308 5,772 18,830 24,602	DEPARTMENT/	PROTOCOL	PRIOR	CURRENT	TOTAL
Pulmonary Disease Service (continued) 1749 155 1,507 1,66 1751 0 1,154 1,15 1752 1,339 673 2,01 1753 1,364 136 1,50 1754 6,931 2,856 9,78 1762 0 779 77 9280 2,535 2,249 4,78 TOTAL 29,829 10,094 39,92 DEPARTMENT OF MEDICINE Rheumatology Service 3707 11,644 10,763 22,40 3710 12,383 7,712 20,09 3711 47,063 27,420 74,48 3712 35,816 11,855 47,67 3713 14,220 5,537 19,75 3717 0 9,090 9,090 707AL 121,126 72,377 193,50 NEUROLOGY SERVICE 7142 295 12,000 12,299 7147 1,744 1,048 2,799 7152 0 10,346 10,346 TOTAL 2,039 23,394 25,43: DEPARTMENT OF NURSING 7525 29 0 22 7147 1,744 1,048 2,799 7152 0 10,346 10,346 TOTAL 2,039 23,394 25,43: DEPARTMENT OF OBSTETRICS AND GYNECOLOGY Gynecologic Oncology Group 4265 238 0 236 TOTAL 29 946 946 97: DEPARTMENT OF PEDIATRICS DEPARTMENT OF PEDIATRICS 4816 0 3,316 3,316 TOTAL 0 3,316 3,316 DEPARTMENT OF PEDIATRICS 6064 32,931 2,873 35,804 6256 3,104 1,327 4,431 6257 37,021 4,033 41,054 6257 0 352 352 6299 10,677 1,160 11,837 6299 10,677 1,160 11,837 6299 10,677 1,160 11,837 6300 25,523 269 25,799 6308 5,772 18,830 24,602			<u>FY's (\$)</u>	FY (\$)	(\$)
1749 155 1,507 1,66 1751 0 1,154 1,15 1752 1,339 673 2,01 1753 1,364 136 1,50 1754 6,931 2,856 9,78 1762 0 779 77 9280 2,535 2,249 4,78 TOTAL 29,829 10,094 39,92 DEPARTMENT OF MEDICINE Rheumatology Service 3707 11,644 10,763 22,40 3710 12,383 7,712 20,09 3711 47,063 27,420 74,48 3712 35,816 11,855 47,67 3713 14,220 5,537 19,75 3717 0 9,090 9,090 TOTAL 121,126 72,377 193,50: NEUROLOGY SERVICE 7142 295 12,000 12,29 7147 1,744 1,048 2,79: 7152 0 10,346 10,346 TOTAL 2,039 23,394 25,43: DEPARTMENT OF NURSING 7525 29 0 2: 7526 0 946 946 TOTAL 2,039 23,394 25,43: DEPARTMENT OF OBSTETRICS AND GYNECOLOGY Gynecologic Oncology Group 4265 238 0 23; DEPARTMENT OF PATHOLOGY AND AREA LABORATORIES 4816 0 3,316 3,316 TOTAL 238 0 23; DEPARTMENT OF PEDIATRICS 6064 32,931 2,873 35,804 6256 3,104 1,327 4,433 6257 37,021 4,033 41,054 6267 0 372 372 6279 10,677 1,160 11,837 6300 25,523 269 25,792 6308 5,772 18,830 24,602	DEPARTMENT OF	MEDICINE			
1751 0 1,154 1,15 1752 1,339 673 2,01 1753 1,364 136 1,50 1754 6,931 2,856 9,78 1762 0 779 77 9280 2,535 2,249 4,78 TOTAL 29,829 10,094 39,92 DEPARTMENT OF MEDICINE Rheumatology Service 3707 11,644 10,763 22,40 3710 12,383 7,712 20,09 3711 47,063 27,420 74,48 3712 35,816 11,855 47,67 3713 14,220 5,537 19,75 3717 0 9,090 9,090 3711 47,063 27,420 74,48 3712 35,816 11,855 47,67 3713 14,220 5,537 19,75 3717 0 9,090 9,090 TOTAL 121,126 72,377 193,500 NEUROLOGY SERVICE 7142 295 12,000 12,295 7147 1,744 1,048 2,799 7152 0 10,346 10,344 7152 0 10,346 10,344 7152 0 9,090 946 97. DEPARTMENT OF NURSING 7525 29 0 2. TOTAL 295 946 946 TOTAL 29 946 97. DEPARTMENT OF OBSTETRICS AND GYNECOLOGY Gynecologic Oncology Group 4265 238 0 236 DEPARTMENT OF PATHOLOGY AND AREA LABORATORIES 4816 0 3,316 3,316 TOTAL 238 0 236 DEPARTMENT OF PEDIATRICS 6064 32,931 2,873 35,804 6256 3,104 1,327 4,433 6257 37,021 4,033 41,054 6257 0 372 3,72 6279 10,677 1,160 11,837 6300 25,523 269 25,792 6308 5,772 18,830 24,602	Pulmonary			l)	
1752 1,339 673 2,01 1753 1,364 136 1,50 1754 6,931 2,856 9,78 1762 0 779 77 9280 2,535 2,249 4,78 TOTAL 29,829 10,094 39,92 DEPARTMENT OF MEDICINE Rheumatology Service 3707 11,644 10,763 22,40 3710 12,383 7,712 20,09 3711 47,063 27,420 74,48 3712 35,816 11,855 47,67 3713 14,220 5,537 19,75 3717 0 9,090 9,090 TOTAL 121,126 72,377 193,500 NEUROLOGY SERVICE 7142 295 12,000 12,295 7147 1,744 1,048 2,799 7147 1,744 1,048 2,799 7152 0 10,346 10,346 TOTAL 2,039 23,394 25,433 DEPARTMENT OF NURSING 7525 29 0 22 7526 0 946 946 TOTAL 29 946 979 DEPARTMENT OF OBSTETRICS AND GYNECOLOGY Gynecologic Oncology Group 4265 238 0 236 TOTAL 238 0 236 TOTAL 238 0 236 DEPARTMENT OF PATHOLOGY AND AREA LABORATORIES 4816 0 3,316 3,316 TOTAL 0 3,316 3,316 TOTAL 0 3,316 3,316 TOTAL 0 3,316 3,316 DEPARTMENT OF PEDIATRICS 6064 32,931 2,873 35,804 6256 3,104 1,327 4,433 6257 37,021 4,033 41,054 6257 37,021 4,033 41,054 6267 0 372 372 6275 0 352 355 6299 10,677 1,160 11,837 6300 25,523 269 25,792 6308 5,772 18,830 24,602			155	•	1,662
1753 1,364 136 1,50 1754 6,931 2,856 9,78 1762 0 779 77 9280 2,535 2,249 4,78 TOTAL 29,829 10,094 39,92 DEPARTMENT OF MEDICINE Rheumatology Service 3707 11,644 10,763 22,40 3710 12,383 7,712 20,09 3711 47,063 27,420 74,48 3712 35,816 11,855 47,67 3713 14,220 5,537 19,75 3717 0 9,090 9,090 TOTAL 121,126 72,377 193,500 NEUROLOGY SERVICE 7142 295 12,000 12,292 7147 1,744 1,048 2,792 7152 0 10,346 10,346 TOTAL 2,039 23,394 25,433 DEPARTMENT OF NURSING 7525 29 0 22 7526 0 946 946 TOTAL 29 946 971 DEPARTMENT OF OBSTETRICS AND GYNECOLOGY Gynecologic Oncology Group 4265 238 0 236 TOTAL 238 0 236 DEPARTMENT OF PATHOLOGY AND AREA LABORATORIES 4816 0 3,316 3,316 TOTAL 0 3,316 3,316			-	1,154	1,154
1754			-	673	2,012
1762				136	1,500
9280 2,535 2,249 4,78 TOTAL 29,829 10,094 39,92 DEPARTMENT OF MEDICINE Rheumatology Service 3707 11,644 10,763 22,40 3710 12,383 7,712 20,09 3711 47,063 27,420 74,48 3712 35,816 11,855 47,67 3713 14,220 5,537 19,75 3717 0 9,090 9,090 TOTAL 121,126 72,377 193,500 NEUROLOGY SERVICE 7142 295 12,000 12,299 7147 1,744 1,048 2,799 7152 0 10,346 10,346 TOTAL 2,039 23,394 25,433 DEPARTMENT OF NURSING 7525 29 0 29 7526 0 946 946 TOTAL 2,039 946 9946 TOTAL 2,039 946 9946 TOTAL 2,039 946 9946 TOTAL 2,039 946 946 32,331 3,316 3,316 TOTAL 2,038 0 23,334 33,346 DEPARTMENT OF PATHOLOGY AND AREA LABORATORIES 4816 0 3,316 3,316 TOTAL 0 3,316 3,316			6,931	2,856	9,787
TOTAL 29,829 10,094 39,92			-	779	779
DEPARTMENT OF MEDICINE Rheumatology Service 3707 11,644 10,763 22,40 3710 12,383 7,712 20,09 3711 47,063 27,420 74,48 3712 35,816 11,855 47,67 3713 14,220 5,537 19,75 3717 0 9,090 9,090 TOTAL 121,126 72,377 193,50 NEUROLOGY SERVICE 7142 295 12,000 12,299 7147 1,744 1,048 2,799 7152 0 10,346 10,346 TOTAL 2,039 23,394 25,433 DEPARTMENT OF NURSING 7525 29 0 20 7526 0 946 946 TOTAL 299 946 979 DEPARTMENT OF OBSTETRICS AND GYNECOLOGY Gynecologic Oncology Group 4265 238 0 238 DEPARTMENT OF PATHOLOGY AND AREA LABORATORIES 4816 0 3,316 3,316 TOTAL 238 0 238 DEPARTMENT OF PATHOLOGY AND AREA LABORATORIES 4816 0 3,316 3,316 DEPARTMENT OF PEDIATRICS 6064 32,931 2,873 35,804 6256 3,104 1,327 4,433 6257 37,021 4,033 41,054 6257 37,021 4,033 41,054 6257 0 352 352 6299 10,677 1,160 11,837 6299 10,677 1,160 11,837 6300 25,523 269 25,792 6308 5,772 18,830 24,602		9280		2,249	4,784
Rheumatology Service 3707 11,644 10,763 22,40 3710 12,383 7,712 20,09 3711 47,063 27,420 74,48 3712 35,816 11,855 47,67 3713 14,220 5,537 19,75 3717 0 9,090 9,090 TOTAL 121,126 72,377 193,500 NEUROLOGY SERVICE 7142 295 12,000 12,299 7147 1,744 1,048 2,799 7152 0 10,346 10,346 TOTAL 2,039 23,394 25,433 DEPARTMENT OF NURSING 7525 29 0 20 TOTAL 29,9946 946 DEPARTMENT OF OBSTETRICS AND GYNECOLOGY Gynecologic Oncology Group 4265 238 0 238 DEPARTMENT OF PATHOLOGY AND AREA LABORATORIES 4816 0 3,316 3,316 TOTAL 0 3,316 3,316 DEPARTMENT OF PATHOLOGY AND AREA LABORATORIES 4816 0 3,316 3,316 DEPARTMENT OF PATHOLOGY AND AREA LABORATORIES 6064 32,931 2,873 35,804 6256 3,104 1,327 4,431 6257 37,021 4,033 41,054 6257 37,021 4,033 41,054 6257 0 372 37, 6275 0 352 37, 6275 0 352 37, 6275 0 352 37, 6279 10,677 1,160 11,837 6300 25,523 269 25,792 6308 5,772 18,830 24,602		TOTAL	29,829	10,094	39,923
3707 11,644 10,763 22,40 3710 12,383 7,712 20,09 3711 47,063 27,420 74,48 3712 35,816 11,855 47,67 3713 14,220 5,537 19,75 3717 0 9,090 9,090 TOTAL 121,126 72,377 193,500 NEUROLOGY SERVICE 7142 295 12,000 12,299 7147 1,744 1,048 2,799 7152 0 10,346 10,344 TOTAL 2,039 23,394 25,433 DEPARTMENT OF NURSING 7525 29 0 946 944 TOTAL 29 946 944 TOTAL 29 946 947 DEPARTMENT OF OBSTETRICS AND GYNECOLOGY Gynecologic Oncology Group 4265 238 0 236 TOTAL 238 0 236 DEPARTMENT OF PATHOLOGY AND AREA LABORATORIES 4816 0 3,316 3,316 TOTAL 0 3,316 3,316 DEPARTMENT OF PEDIATRICS 6064 32,931 2,873 35,804 6256 3,104 1,327 4,431 6257 37,021 4,033 41,054 6257 37,021 4,033 41,054 6257 0 372 372 6275 0 352 6299 10,677 1,160 11,837 6300 25,523 269 25,792 6308 5,772 18,830 24,602	DEPARTMENT OF	MEDICINE			
3710 12,383 7,712 20,09 3711 47,063 27,420 74,48 3712 35,816 11,855 47,67 3713 14,220 5,537 19,75 3717 0 9,090 9,090 TOTAL 121,126 72,377 193,50 NEUROLOGY SERVICE 7142 295 12,000 12,29 7147 1,744 1,048 2,79 7152 0 10,346 10,346 TOTAL 2,039 23,394 25,43 DEPARTMENT OF NURSING 7525 29 0 29 7526 0 946 946 TOTAL 29 946 946 TOTAL 29 946 946 TOTAL 29 946 975 DEPARTMENT OF OBSTETRICS AND GYNECOLOGY Gynecologic Oncology Group 4265 238 0 236 TOTAL 238 0 236 TOTAL 238 0 236 DEPARTMENT OF PATHOLOGY AND AREA LABORATORIES 4816 0 3,316 3,316 TOTAL 0 3,316 3,316 TOTAL 0 3,316 3,316 DEPARTMENT OF PEDIATRICS 6064 32,931 2,873 35,804 6256 3,104 1,327 4,431 6257 37,021 4,033 41,054 6257 0 372 372 6275 0 352 6299 10,677 1,160 11,837 6300 25,523 269 25,792 6308 5,772 18,830 24,602	Rheumatolo	gy Service			
3711 47,063 27,420 74,48 3712 35,816 11,855 47,67 3713 14,220 5,537 19,75 3717 0 9,090 9,090 TOTAL 121,126 72,377 193,50 NEUROLOGY SERVICE 7142 295 12,000 12,29 7147 1,744 1,048 2,79 7152 0 10,346 10,346 TOTAL 2,039 23,394 25,43: DEPARTMENT OF NURSING 7525 29 0 29 TOTAL 29 946 946 TOTAL 29 946 946 TOTAL 29 946 975 DEPARTMENT OF OBSTETRICS AND GYNECOLOGY Gynecologic Oncology Group 4265 238 0 236 TOTAL 238 0 236 DEPARTMENT OF PATHOLOGY AND AREA LABORATORIES 4816 0 3,316 3,316 TOTAL 0 3,316 3,316 TOTAL 0 3,316 3,316 DEPARTMENT OF PEDIATRICS 6064 32,931 2,873 35,804 6256 3,104 1,327 4,433 6257 37,021 4,033 41,054 6257 0 372 372 6275 0 352 352 6299 10,677 1,160 11,837 6300 25,523 269 25,792 6308 5,772 18,830 24,602		3707	11,644	10,763	22,407
3711 47,063 27,420 74,48 3712 35,816 11,855 47,67 3713 14,220 5,537 19,75 3717 0 9,090 9,090 TOTAL 121,126 72,377 193,500 NEUROLOGY SERVICE 7142 295 12,000 12,299 7147 1,744 1,048 2,799 7152 0 10,346 10,346 TOTAL 2,039 23,394 25,433 DEPARTMENT OF NURSING 7525 29 0 29 7526 0 946 946 TOTAL 299 946 979 DEPARTMENT OF OBSTETRICS AND GYNECOLOGY Gynecologic Oncology Group 4265 238 0 236 TOTAL 238 0 236 DEPARTMENT OF PATHOLOGY AND AREA LABORATORIES 4816 0 3,316 3,316 TOTAL 0 3,316 3,316 DEPARTMENT OF PEDIATRICS 6064 32,931 2,873 35,804 6256 3,104 1,327 4,433 6257 37,021 4,033 41,054 6267 0 372 372 6275 0 352 352 6299 10,677 1,160 11,837 6300 25,523 269 25,792 6308 5,772 18,830 24,602		3710	12,383	7,712	20,095
3712 35,816 11,855 47,67 3713 14,220 5,537 19,75 3717 0 9,090 9,090 TOTAL 121,126 72,377 193,50 NEUROLOGY SERVICE 7142 295 12,000 12,299 7147 1,744 1,048 2,799 7152 0 10,346 10,344 TOTAL 2,039 23,394 25,433 DEPARTMENT OF NURSING 7525 29 0 29 7526 0 946 944 TOTAL 29 946 941 DEPARTMENT OF OBSTETRICS AND GYNECOLOGY Gynecologic Oncology Group 4265 238 0 236 TOTAL 238 0 236 DEPARTMENT OF PATHOLOGY AND AREA LABORATORIES 4816 0 3,316 3,316 TOTAL 0 3,316 3,316 TOTAL 0 3,316 3,316 DEPARTMENT OF PEDIATRICS 6064 32,931 2,873 35,804 6256 3,104 1,327 4,433 6256 3,104 1,327 4,433 6257 37,021 4,033 41,054 6267 0 372 372 6275 0 352 352 6299 10,677 1,160 11,837 6300 25,523 269 25,792 6308 5,772 18,830 24,602		3711	47,063		74,483
3713 14,220 5,537 19,75 3717 0 9,090 9,090 TOTAL 121,126 72,377 193,502 NEUROLOGY SERVICE 7142 295 12,000 12,295 7147 1,744 1,048 2,795 7152 0 10,346 10,346 TOTAL 2,039 23,394 25,433 DEPARTMENT OF NURSING 7525 29 0 25 7526 0 946 946 TOTAL 29 946 946 TOTAL 29 946 946 TOTAL 29 946 946 TOTAL 29 36 0 236 DEPARTMENT OF OBSTETRICS AND GYNECOLOGY Gynecologic Oncology Group 4265 238 0 236 TOTAL 238 0 236 TOTAL 238 0 3316 3,316 TOTAL 238 3,316 3,316 DEPARTMENT OF PATHOLOGY AND AREA LABORATORIES 4816 0 3,316 3,316 TOTAL 0 3,316 3,316 TOTAL 0 3,316 3,316 TOTAL 0 3,316 3,316 TOTAL 0 3,316 3,316 TOTAL 0 3,316 3,316 TOTAL 0 3,316 3,316 TOTAL 0 3,316 3,316 TOTAL 0 3,316 3,316 TOTAL 0 3,316 3,316 TOTAL 0 3,316 3,316 TOTAL 0 3,316 3,316 TOTAL 0 3,316 3,316 TOTAL 0 3,316 3,316 TOTAL 0 3,316 3,316 TOTAL 0 3,316 3,316 TOTAL 0 3,316 3,316 TOTAL 0 3,316 3,316 TOTAL 0 3,316 3,316 TOTAL 0 3,316 3,316 TOTAL 0 3,316 3,316 TOTAL 0 3,316 3,316 TOTAL 0 3,316 3,316 TOTAL 0 3,316 3,316 TOTAL 0 3,316 3,316 TOTAL 0 3,316 3,316 TOTAL 0 3,316 3,316 TOTAL 0 3,316 3,316 TOTAL 0 3,316 3,316 TOTAL 0 3,316 3,316 TOTAL 0 3,316 3,316 TOTAL 0 3,316 3,316 TOTAL 0 3,316 3,316 TOTAL 0 3,316 3,316 TOTAL 0 3,316 3,316 TOTAL 0 3,316 3,316 TOTAL 0 3,316 3,316 TOTAL 0 3,316 3,316 TOTAL 0 3,316 3,316 TOTAL 0 3,316 3,316 TOTAL 0 3,316 3,316 TOTAL 0 3,316 3,316 TOTAL 0 3,316 3,316 TOTAL 0 3,316 3,316 TOTAL 0 3,316 3,316 TOTAL 0 3,316 3,316 TOTAL 0 3,316 3,316 TOTAL 0 3,316 3,316 TOTAL 0 3,316 3,316 TOTAL 0 3,316 3,316 TOTAL 0 3,316 3,316 TOTAL 0 3,316 3,316 TOTAL 0 3,316 3,316 TOTAL 0 3,316 3,316 TOTAL 0 3,316 3,316 TOTAL 0 3,316 3,316 TOTAL 0 3,316 3,316 TOTAL 0 3,316 3,316 TOTAL 0 3,316 3,316 TOTAL 0 3,316 3,316 TOTAL 0 3,316 3,316 TOTAL 0 3,316 3,316 TOTAL 0 3,316 3,316 TOTAL 0 3,316 3,316 TOTAL 0 3,316 3,316 TOTAL 0 3,316 3,316 TOTAL 0 3,316 3,316 TOTAL 0 3,316 3,316 TOTAL 0 3,316 3,316 TOTAL 0 3,316 3,316 TOTAL 0 3,316 TOTAL		3712	•		
3717		3713			
NEUROLOGY SERVICE 7142 295 12,000 12,295 7147 1,744 1,048 2,795 7152 0 10,346 10,344 TOTAL 2,039 23,394 25,433 DEPARTMENT OF NURSING 7525 29 0 25 7526 0 946 946 TOTAL 29 946 946 TOTAL 29 946 946 Gynecologic Oncology Group 4265 238 0 238 TOTAL 238 0 238 DEPARTMENT OF PATHOLOGY AND AREA LABORATORIES 4816 0 3,316 3,316 TOTAL 0 3,316 3,316 DEPARTMENT OF PEDIATRICS 6064 32,931 2,873 35,804 6256 3,104 1,327 4,433 6257 37,021 4,033 41,054 6267 0 372 372 6275 0 352 352 6299 10,677 1,160 11,837 6300 25,523 269 25,792 6300 25,523 269 25,792 6300 35,772 18,830 24,602	* .	3717	, 0		
NEUROLOGY SERVICE 7142 295 12,000 12,295 7147 1,744 1,048 2,795 7152 0 10,346 10,344 TOTAL 2,039 23,394 25,433 DEPARTMENT OF NURSING 7525 29 0 25 7526 0 946 944 TOTAL 29 946 975 DEPARTMENT OF OBSTETRICS AND GYNECOLOGY Gynecologic Oncology Group 4265 238 0 238 DEPARTMENT OF PATHOLOGY AND AREA LABORATORIES 4816 0 3,316 3,316 TOTAL 0 3,316 3,316 DEPARTMENT OF PEDIATRICS 6064 32,931 2,873 35,804 6256 3,104 1,327 4,431 6257 37,021 4,033 41,054 6267 0 372 372 6275 0 352 352 6299 10,677 1,160 11,837 6300 25,523 269 25,792 6300 25,523 269 25,792 6308 5,772 18,830 24,602		TOTAL	121,126		193,503
7147 1,744 1,048 2,799 7152 0 10,346 10,344 TOTAL 2,039 23,394 25,433 DEPARTMENT OF NURSING 7525 29 0 946 944 TOTAL 29 946 975 DEPARTMENT OF OBSTETRICS AND GYNECOLOGY Gynecologic Oncology Group 4265 238 0 238 TOTAL 238 0 238 DEPARTMENT OF PATHOLOGY AND AREA LABORATORIES 4816 0 3,316 3,316 TOTAL 0 3,316 3,316 DEPARTMENT OF PEDIATRICS 6064 32,931 2,873 35,804 6256 3,104 1,327 4,433 6257 37,021 4,033 41,054 6267 0 372 372 6275 0 352 352 6299 10,677 1,160 11,837 6300 25,523 269 25,792 6308 5,772 18,830 24,602	NEUROLOGY SER	VICE	,	,	
7147 1,744 1,048 2,799 7152 0 10,346 10,344 TOTAL 2,039 23,394 25,433 DEPARTMENT OF NURSING 7525 29 0 29 7526 0 946 946 TOTAL 29 946 975 DEPARTMENT OF OBSTETRICS AND GYNECOLOGY Gynecologic Oncology Group 4265 238 0 238 TOTAL 238 0 238 DEPARTMENT OF PATHOLOGY AND AREA LABORATORIES 4816 0 3,316 3,316 TOTAL 0 3,316 3,316 DEPARTMENT OF PEDIATRICS 6064 32,931 2,873 35,804 6256 3,104 1,327 4,433 6257 37,021 4,033 41,054 6267 0 372 372 6275 0 352 352 6299 10,677 1,160 11,837 6300 25,523 269 25,792 6308 5,772 18,830 24,602		7142	295	12,000	12,295
7152 0 10,346 10,346 TOTAL 2,039 23,394 25,433 DEPARTMENT OF NURSING 7525 29 0 29 7526 0 946 946 TOTAL 29 946 975 DEPARTMENT OF OBSTETRICS AND GYNECOLOGY Gynecologic Oncology Group 4265 238 0 236 TOTAL 238 0 236 TOTAL 238 0 3316 DEPARTMENT OF PATHOLOGY AND AREA LABORATORIES 4816 0 3,316 3,316 TOTAL 0 3,316 3,316 DEPARTMENT OF PEDIATRICS 6064 32,931 2,873 35,804 6256 3,104 1,327 4,433 6256 3,104 1,327 4,433 6257 37,021 4,033 41,054 6257 0 372 372 6267 0 372 372 6275 0 352 352 6299 10,677 1,160 11,837 6300 25,523 269 25,792 6308 5,772 18,830 24,602		7147	1,744		
DEPARTMENT OF NURSING 7525 29 0 29 7526 0 946 TOTAL 29 946 TOTAL 29 946 TOTAL 29 946 TOTAL 238 0 238 DEPARTMENT OF PATHOLOGY AND AREA LABORATORIES 4816 0 3,316 TOTAL 0 3,316 TO		7152	. 0	•	
DEPARTMENT OF NURSING 7525 29 0 29 7526 0 946 944 TOTAL 29 946 975 DEPARTMENT OF OBSTETRICS AND GYNECOLOGY Gynecologic Oncology Group 4265 238 0 238 TOTAL 238 0 238 DEPARTMENT OF PATHOLOGY AND AREA LABORATORIES 4816 0 3,316 3,316 TOTAL 0 3,316 3,316 DEPARTMENT OF PEDIATRICS 6064 32,931 2,873 35,804 6256 3,104 1,327 4,433 6257 37,021 4,033 41,054 6267 0 372 372 6267 0 372 372 6267 0 352 352 6299 10,677 1,160 11,837 6300 25,523 269 25,792 6308 5,772 18,830 24,602		TOTAL	2,039		
7526 0 946 946 TOTAL 29 946 975 DEPARTMENT OF OBSTETRICS AND GYNECOLOGY Gynecologic Oncology Group 4265 238 0 238 TOTAL 238 0 238 DEPARTMENT OF PATHOLOGY AND AREA LABORATORIES 4816 0 3,316 3,316 TOTAL 0 3,316 3,316 TOTAL 0 3,316 3,316 DEPARTMENT OF PEDIATRICS 6064 32,931 2,873 35,804 6256 3,104 1,327 4,431 6257 37,021 4,033 41,054 6257 0 372 372 6267 0 372 372 6275 0 352 352 6299 10,677 1,160 11,837 6300 25,523 269 25,792 6308 5,772 18,830 24,602	DEPARTMENT OF	NURSING	•	•	
7526 0 946 946 TOTAL 29 946 975 DEPARTMENT OF OBSTETRICS AND GYNECOLOGY Gynecologic Oncology Group 4265 238 0 238 TOTAL 238 0 238 DEPARTMENT OF PATHOLOGY AND AREA LABORATORIES 4816 0 3,316 3,316 TOTAL 0 3,316 3,316 TOTAL 0 3,316 3,316 DEPARTMENT OF PEDIATRICS 6064 32,931 2,873 35,804 6256 3,104 1,327 4,431 6257 37,021 4,033 41,054 6257 0 372 372 6267 0 372 372 6275 0 352 352 6299 10,677 1,160 11,837 6300 25,523 269 25,792 6308 5,772 18,830 24,602		7525	29	0	29
TOTAL 29 946 975 DEPARTMENT OF OBSTETRICS AND GYNECOLOGY Gynecologic Oncology Group 4265 238 0 238 TOTAL 238 0 238 DEPARTMENT OF PATHOLOGY AND AREA LABORATORIES 4816 0 3,316 3,316 TOTAL 0 3,316 3,316 DEPARTMENT OF PEDIATRICS 6064 32,931 2,873 35,804 6256 3,104 1,327 4,433 6257 37,021 4,033 41,054 6257 0 372 372 6267 0 372 372 6275 0 352 352 6299 10,677 1,160 11,837 6300 25,523 269 25,792 6308 5,772 18,830 24,602		7526	0	946	
Gynecologic Oncology Group 4265		TOTAL	29		975
Gynecologic Oncology Group 4265	DEPARTMENT OF	OBSTETRICS A	ND GYNECOLOGY		
A265					
TOTAL 238 0 238 DEPARTMENT OF PATHOLOGY AND AREA LABORATORIES 4816 0 3,316 TOTAL 0 3,316 3,316 DEPARTMENT OF PEDIATRICS 6064 32,931 2,873 35,804 6256 3,104 1,327 4,433 6257 37,021 4,033 41,054 6267 0 372 372 6275 0 352 352 6299 10,677 1,160 11,837 6300 25,523 269 25,792 6308 5,772 18,830 24,602	, ,			0	238
DEPARTMENT OF PATHOLOGY AND AREA LABORATORIES 4816 0 3,316 3,316 TOTAL 0 3,316 3,316 DEPARTMENT OF PEDIATRICS 6064 32,931 2,873 35,804 6256 3,104 1,327 4,433 6257 37,021 4,033 41,054 6267 0 372 372 6275 0 352 352 6299 10,677 1,160 11,837 6300 25,523 269 25,792 6308 5,772 18,830 24,602		TOTAL		0	238
4816 0 3,316 3,316 TOTAL 0 3,316 3,316 DEPARTMENT OF PEDIATRICS 6064 32,931 2,873 35,804 6256 3,104 1,327 4,433 6257 37,021 4,033 41,054 6267 0 372 372 6275 0 352 352 6299 10,677 1,160 11,837 6300 25,523 269 25,792 6308 5,772 18,830 24,602	DEPARTMENT OF	PATHOLOGY AN	ID AREA LABORA'	TORIES	200
TOTAL 0 3,316 3,316 DEPARTMENT OF PEDIATRICS 6064 32,931 2,873 35,804 6256 3,104 1,327 4,431 6257 37,021 4,033 41,054 6267 0 372 372 6275 0 352 352 6299 10,677 1,160 11,837 6300 25,523 269 25,792 6308 5,772 18,830 24,602			•		3 316
DEPARTMENT OF PEDIATRICS 6064 32,931 2,873 35,804 6256 3,104 1,327 4,433 6257 37,021 4,033 41,054 6267 0 372 372 6275 0 352 352 6299 10,677 1,160 11,837 6300 25,523 269 25,792 6308 5,772 18,830 24,602					
6064 32,931 2,873 35,804 6256 3,104 1,327 4,431 6257 37,021 4,033 41,054 6267 0 372 372 6275 0 352 352 6299 10,677 1,160 11,837 6300 25,523 269 25,792 6308 5,772 18,830 24,602	DEPARTMENT OF		_	0,020	3,310
6256 3,104 1,327 4,431 6257 37,021 4,033 41,054 6267 0 372 372 6275 0 352 352 6299 10,677 1,160 11,837 6300 25,523 269 25,792 6308 5,772 18,830 24,602			32.931	2.873	35.804
6257 37,021 4,033 41,054 6267 0 372 372 6275 0 352 352 6299 10,677 1,160 11,837 6300 25,523 269 25,792 6308 5,772 18,830 24,602					-
6267 0 372 372 6275 0 352 352 6299 10,677 1,160 11,837 6300 25,523 269 25,792 6308 5,772 18,830 24,602					
6275 0 352 352 6299 10,677 1,160 11,837 6300 25,523 269 25,792 6308 5,772 18,830 24,602			•		
629910,6771,16011,837630025,52326925,79263085,77218,83024,602					
6300 25,523 269 25,792 6308 5,772 18,830 24,602					
6308 5,772 18,830 24,602			•		
6313 6,024 1,260 7,284		6313	6,024		7,284
7,200			0,024	1,200	7,204

 $[\]star$ Protocol is not listed if total expense is zero.

EXPENSES FOR PROTOCOLS OF CURRENT AND PREVIOUS FISCAL YEARS, BY DEPARTMENT AND SERVICE, LISTED IN ALPHABETICAL ORDER

DEPARTMENT/	PROTOCOL	PRIOR	CURRENT	TOTAL
SERVICE	NUMBER*	FY's (\$)	FY (\$)	(\$)
DEPARTMENT OF	PEDIATRICS	(continued)		
	6321	7,464	60	7,524
	6324	0	2,005	2,005
	6327	5,115	7,352	12,467
	6331	0	4,500	4,500
	6332	0	16,171	16,171
	6336	0	16,601	16,601
	6342	0	18	18
	6350	0	576	576
	6358	0	3,164	3,164
	TOTAL	133,631	80,923	214,554
DEPARTMENT OF	PEDIATRICS			
Pediatric I	Hematology-	Oncology Serv	vice	
	6213	14,835	17,502	32,337
	6307	2,371	0	2,371
	TOTAL	17,206	17,502	34,708
PHYSICAL MEDIC		•		•
	9614	0	1,853	1,853
	9615	0	995	995
	9616	0	1,154	1,154
	9617	0	995	995
	9620	0	1,732	1,732
	TOTAL	0	6,729	6,729
DEPARTMENT OF	PSYCHIATRY			
	7245	163	1,092	1,255
	7246	7,854	0	7,854
	7248	0	650	650
	7250	/#* . 0	229	229
	7256	0	276	276
	TOTAL	8,017	2,247	10,264
DEPARTMENT OF	RADIOLOGY			
	4700	0	251 251	<u>251</u>
	TOTAL	0	251	251
DEPARTMENT OF	SURGERY			
Anesthesia-	Operative S	Service		
	2056A	23,113	520	23,633
	2063A	0	31,313	31,313
	TOTAL	23,113	31,833	54,946
DEPARTMENT OF	SURGERY			
Army Audio	logy and Spe	ech Center		
•	2508	0	70,975	70,975
	2510	73	1,776	1,849
	2515	1,150	2,040	3,190
	2516	1,315	2,541	3,856
	2518	90	1,120	1,210
		_	·	•

^{*} Protocol is not listed if total expense is zero.

EXPENSES FOR PROTOCOLS OF CURRENT AND PREVIOUS FISCAL YEARS, BY DEPARTMENT AND SERVICE, LISTED IN ALPHABETICAL ORDER

DEPARTMENT/	PROTOCOL	PRIOR	CURRENT	TOTAL
SERVICE	NUMBER*	FY's (\$)	<u> </u>	(\$)
DEPARTMENT				
Army Aud	liology and Spe			
	2519	546	4,034	4,580
	2520	0	1,910	1,910
	2521	2,236	310	2,546
	2524	0	1,801	1,801
	2525	0	1,078	1,078
	2528	0	3,100	3,100
	2530	0	1,976	1,976
	2532	0	63,912	63,912
	2588	4,031	0	4,031
	2590	15,328	300	15,628
	2591	3,755	300	4,055
	2598	1,995	750	2,745
	TOTAL	30,519	157,923	188,442
DEPARTMENT		,	20,,,20	100,442
	Surgery Service	<u> </u>		
	2063		2 233	2 233
	TOTAL	0	$\frac{2,233}{2,233}$	2,233 2,233
DEPARTMENT		· ·	2,233	2,233
	ology Service			
•	2318	0	8,882	8,882
	2319	_	3,905	13,820
	TOTAL	9,915 9,915	$\frac{-3,505}{12,787}$	22,702
DEPARTMENT		-,-25	12,707	22,702
	dic Surgery Ser	vice		
	2427	0	278	278
	2432	Ö	2,636	2,636
	2435	5,959	0	5,959
	2440	0,555	624	624
	2442	Ö	726	
	2452	0	910	726
	2455	0		910
	2456		4,360	4,360
	2458	0	9,161	9,161
		- 050	2,330	2,330
DEDADTMENT (TOTAL	5,959	21,025	26,984
DEPARTMENT (
Ocolaryng	gology-Head & N			
	2522	0	50,050	50,050
DEDADOMENTO 4	TOTAL	O	50,050	50,050
DEPARTMENT (
Urology S			_	
	2864	500	0	500
	TOTAL	500	0	500

 $[\]star$ Protocol is not listed if total expense is zero.

ADDENDUM

EXPENSES FOR PROTOCOLS APPROVED DURING FY-94 (FIRST ANNUAL PROGRESS REPORT TO BE SUBMITTED IN FY-94)
AND EXPENSES FOR PROTOCOLS PREVIOUSLY CLOSED
BY DEPARTMENT AND SERVICE, LISTED IN ALPHABETICAL ORDER

DEPARTMENT/	PROTOCOL	PRIOR	CURRENT	TOTAL
SERVICE	NUMBER*	FY'S (\$)	FY (\$)	(\$)
ALLERGY-IMMUNO	LOGY SERVICE			
	3372	0	2,534	2,534
	TOTAL	0	2,534	2,534
DEPARTMENT OF	CLINICAL INVESTIGA	TION		
	9289	0	2,451	2,451
	9291	0	19,075	19,075
	9292	0	8,524	8,524
	9293	0	950	950
	9295	0	5 <u>,231</u>	<u>5,231</u>
	TOTAL	0	38,765	38,765
DEPARTMENT OF I	MEDICINE			
Cardiology :	Service			
.	1283	0	828	828
	1284	0	2,423	2,423
	1293	0	1,645	1,645
	TOTAL	 0	4,905	4,905
DEPARTMENT OF I	MEDICINE			
Dermatology	Service			
34	1822	0	23,679	23,679
	TOTAL	0	23,679	23,679
DEPARTMENT OF I	MEDICINE			
Endocrine-Me	etabolic Service			
	1300	0	800	800
	1345	0	216	216
	1364	0	10,039	10,039
	1365	0	8,884	8,884
	1366	0	1,751	1,751
	1368	0	3,874	3,874
	1369	0	2,629	2,629
	TOTAL	0	28,193	28,193
DEPARTMENT OF I	MEDICINE			
Gastroenter	ology Service			
	1450	16,101	2,482	18,583
	1496	525	296	821
	TOTAL	16,626	2,778	19,404
DEPARTMENT OF	MEDICINE			
General Med	icine Service			
	1034	0	928	928
	1035	0	8,000	8,000
	TOTAL	0	8,928	8,928
DEPARTMENT OF	MEDICINE			
Infectious 1	Disease Service			
	1916	0	9,346	9,346
	TOTAL	0	9,346 9,346	9,346
DEPARTMENT OF				
Nephrology				
	1174	0	6,734	6,734
	· -		•	•

^{*} Protocol is not listed if total expense is zero.

ADDENDUM

EXPENSES FOR PROTOCOLS APPROVED DURING FY-94 (FIRST ANNUAL PROGRESS REPORT TO BE SUBMITTED IN FY-94) AND EXPENSES FOR PROTOCOLS PREVIOUSLY CLOSED BY DEPARTMENT AND SERVICE, LISTED IN ALPHABETICAL ORDER

DEPARTMENT/	PROTOCOL	PRIOR	CURRENT	TOTAL
SERVICE	NUMBER*	FY'S (\$)	FY (\$)	(\$)
			171 //	
DEPARTMENT OF 1				
Nephrology :	Service (continue	ed)		
	1175	0	12,020	12,020
	1176	0	150	150
	1178	0	852	852
	TOTAL	0	19,756	19,756
DEPARTMENT OF 1	MEDICINE		·	• • •
Pulmonary Se	ervice			
	1740	0	1,158	1,158
	1755	0	679	679
	1756	1,502	155	1,657
	TOTAL	1,502 1,502	1,992	3,494
DEPARTMENT OF N	MEDICINE		·	•
Rheumatology	y Service			
	3719	0	2,028	2,028
	TOTAL	0	2,028	2,028
DEPARTMENT OF I	PATHOLOGY AND ARE	A LABORATORIES	,	-,
	4818	0	5,761	5,761
	4819	0	6,886	6,886
	TOTAL	0	12,647	12,647
DEPARTMENT OF I				•
	6320	0	141	141
	6366	0	2,575	2,575
	TOTAL	0	2,716	2,716
DEPARTMENT OF F				
	4702	934 934	261	1,195
	TOTAL	934	261	1,195
DEPARTMENT OF S				
Army Audiolo	ogy and Speech Ce			
	2514	3,540	955	4,495
	2533	0	1,706	1,706
	2534	0	740	740
	2540	0	2,249	2,249
	2575	0	<u> </u>	955
	TOTAL	3,540	6,605	10,145
DEPARTMENT OF S				
Ophthalmolog	-	_		
	2321	0	<u>1,130</u>	1,130
	TOTAL	0	1,130	1,130
DEPARTMENT OF S				
Orthopaedic				
	2410	8,439	710	9,149
	2463	0	5,100	5,100
	2466	0	126	126
	2468	0	1,671	1,671
	2470	0	580	580
	TOTAL	8,439	8,187	16,626

^{*} Protocol is not listed if total expense is zero.

ADDENDUM

EXPENSES FOR PROTOCOLS APPROVED DURING FY-94 (FIRST ANNUAL PROGRESS REPORT TO BE SUBMITTED IN FY-94) AND EXPENSES FOR PROTOCOLS PREVIOUSLY CLOSED BY DEPARTMENT AND SERVICE, LISTED IN ALPHABETICAL ORDER

DEPARTMENT/ SERVICE	PROTOCOL NUMBER*	PRIOR FY'S (\$)	CURRENT FY (\$)	TOTAL (\$)
PHYSICAL MEDICIN	E AND REHABILIT	TATION SERVICE		
	9025	0	507	507
	9634	0	1,664	1,664
	TOTAL	0	2,171	2,171

^{*} Protocol is not listed if total expense is zero.

PROTOCOL NUMBER, PRINCIPAL INVESTIGATOR, TITLE, AND APPROVAL DATE BY DEPARTMENT AND SERVICE

PROTOCO NUMBER	OL PRINCIPAL INVESTIGATOR, TITLE, AND APPROVAL DATE	PAGE* (VOL II)	
ALLERGY-IMMUNOLOGY SERVICE			
1400-88	Engler, Renata COL MC. A Pilot Study Evaluating Intestinal and Serum Immunoglobulin Levels in Patients with Acquired Hypogammaglobulinemia and Recurrent/Chronic Diarrhea of Undefined Etiology (2/88)	1	
3336	Engler, Renata COL MC. The Effect of Human Breast Milk Cell Supernatants on In Vitro Immunoglobulin Secretion (11/87)	2	
3343	Salata, Kalman PhD. Standardized Vs. Nonstandardized Allergen Products Containing Dust Mite Antigens (10/88)	3	
3346	Salata, Kalman PhD. Comparison of Three Methods of Assessing Induction of Mitogen and Allergen Specific Lymphocyte Proliferation (6/89)	4	
3348	Engler, Renata COL MC. Immunotherapy Reactions (11/89)	5	
3349	Salata, Kalman PhD. Mitogen-Inducible T Suppressor Cell Assay by Flow Cytometry (12/89)	6	
3350	Salata, Kalman PhD. Flow Cytometric Analysis of Natural Killer Cell Activity and Antibody-Dependent Cell-Mediated Cytotoxicity (1/90)	7	
3351	Salata, Kalman PhD. In Vitro House Dust Mite Allergy Assays: Comparison of a Monoclonal Antibody/Allergen Capture Method with a Fluorescent Allergosorbant Test (1/90)	8	
3352	Squire, Edward LTC MC. Use of Steroid Sparing Agents Among Asthmatics Doing Poorly on Corticosteroids: A Pilot Study (1/90)	9	
3353	Salata, Kalman PhD. Contrasuppressor Cells in Allergy Immunotherapy (3/90)	10	
3354	Salata, Kalman PhD. Two Way Mixed Lymphocyte Culture: Analysis by Two Color Flow Cytometry (4/90)	11	
3355	Salata, Kalman PhD. Effect of Methotrexate on Expression of Intercellular Adhesion Molecule I in Interleukin-1 Stimulated Cultured Human Cells (5/90)	12	

^{*} Reference is to page number(s) in Volume II.

PROTOCOL NUMBER, PRINCIPAL INVESTIGATOR, TITLE, AND APPROVAL DATE BY DEPARTMENT AND SERVICE

PROTOCO:	L PRINCIPAL INVESTIGATOR, TITLE, AND APPROVAL DATE	PAGE* (VOL II)
ALLERGY	-IMMUNOLOGY SERVICE (continued)	
3357	Engler, Renata COL MC. Serum and Secretory Immune Status of Patients with Chronic Sinusitis and Normals $(9/90)$	13
3358	Salata, Kalman PhD. Plasma Level of Mast Cell Tryptase in Patients Undergoing Immunodiagnostic or Immunotherapy Procedures who Experience Adverse Reactions (9/90)	14
3359	Salata, Kalman PhD. Leukotriene B4 Receptor Downregulation: Flow Cytometry Analysis (11/90)	15
3360	Salata, Kalman PhD. 3,3'-Dioctadecyloxacarbocyanine (DiO) Induced Immunosuppression: Inhibition of Mitogen, Antigen and Alloantigen Stimulated CD69 Expression (11/90)	16
3362	Salata, Kalman PhD. Immunologic Evaluation of Acute and Persistent Ectopic Gestation: A Collaborative Project with Portsmouth Naval Hospital $(1/91)$	17
3363	Salata, Kalman PhD. Stability of Cat and House Dust Mite Allergens in Allergy Immunotherapy Preparations (4/91)	18
3364	Salata, Kalman PhD. Effect of N-(Fluorenyl-9-methoxycarbonyl)-L-Leucine (FMOC-LEU) on Neutrophil Activation (5/91)	19
3365	Salata, Kalman PhD. Leucocyte Subset Analysis in Patients Treated with Intravenous Immunoglobulin (IVIG) (7/91)	20
3366	Salata, Kalman PhD. Bird Antigen Detection in the Home and IgG and IgG Subclass Titers in Healthy Bird Owners Versus Those With Hypersensitivity Pneumonitis (8/91)	21
3367	Carregal, Valerie CPT MC. Naive Versus Memory T Lymphocytes in Patients Undergoing Aeroallergen Immunotherapy (6/92)	22
3368	Engler, Renata COL MC. ELISA Measurement of the Humoral Immune Response to a Primary Rabies Vaccine Series (9/92)	23
3369	Kosisky, Susan. Survey of Prevalent Pollen and Fungal Aeroallergens in the Washington DC Area (5/93)	24

^{*} Reference is to page number(s) in Volume II.

PROTOCO NUMBER	PRINCIPAL INVESTIGATOR, TITLE, AND APPROVAL DATE	PAGE* (VOL II)
ALLERGY	-IMMUNOLOGY SERVICE (continued)	
3371	Radford, Bennett MAJ MC. The Effect of Acetylsalicylic Acid (ASA) and Hydrocortisone (HC) on Urushiol Stimulated Lymphocytes and Epithelial Cells In Vitro (7/93)	25
4804	Salata, Kalman PhD. Antigen Typing Reticulocytes in Mixed Red Blood Cell Populations by Flow Cytometry (10/89)	26
4815	Salata, Kalman Ph.D Preparation and Characterization of Antibodies Directed Toward Enzymatically Treated Type Al Erythrocytes (7/93)	27
4817	Salata, Kalman PhD. Flow Cytometry Analysis of Plasma Factors Affecting Reticulocyte Maturation in Refrigerated Blood (9/93)	28
6276	Salata, Kalman PhD. In Vivo Persistence of Reticulocyte and Antigen Phenotype in Post-Transfusion Patients Analyzed by Flow Cytometry $(11/90)$	29
9286	Salata, Kalman, PhD. Major Histocompatibility Complex DNA Typing of Hemophilia A Patients (6/92)	30
DEPARTM	ENT OF CLINICAL INVESTIGATION	
3709	Tsokos, George MAJ MC. Pathogenesis of Systemic Sclerosis: Role of Transforming Growth Factor-Beta (10/91)	31
3714	Tsokos, George MAJ MC. Role of Adhesion Molecules in the Activation of T Cells From Patients with Systemic Lupus Erythematosus (SLE) (6/92)	32
3715	Tsokos, George MAJ MC. Metabolic Parameters in Systemic Lupus Erythematosus with Neuropsychiatric Manifestations (7/92)	33
9275	Schaudies, Paul MAJ MS. Quantitation and Characterization of EGF Levels in Rat Milk $(10/88)$	34
9284	Dobek, Arthur PhD. Comparison of the Hela Cell Monolayer Vs. the Toxi-titer System for Their Respective Ability to Detect Clostridium Difficile Toxin B in Stool Filtrate $(4/91)$	35

^{*} Reference is to page number(s) in Volume II.

PROTOCO NUMBER		PAGE* (VOL II)
DEPARTM	ENT OF CLINICAL INVESTIGATION (continued)	
9285	Dobek, Arthur PhD. Honey: Antibacterial Activity Against Multiple Antibiotic Resistant Clinical Isolates In Vitro (1/92)	36
9287	Bailey, Lynn. The Effect of Lipid Emulsion on the Duration of Ketamine/Xylazine Sedation in Rats (1/93)	37
9288	Hamm, Carolyn Ph.D Effects of Trendelenburg Position on Cardiopulmonary Parameters During Sleep (6/93)	38
DENTAL	CLINIC	
9411	Patterson, Adrian COL DC. Evaluation of Collagen Plugs to Prevent Localized Osteitis in the Sockets of Mandibular Third Molars Susceptible to Acute Pericornitis (1/91)	39
9412	Brousseau, Steven LTC DC. Comparison of Presurgical and Postsurgical Condylar Measurements as a Function of Orthognathic Surgical Fixation Technique (3/91)	40
FORT DI	X, NEW JERSEY	
9088	O'Connor, Francis CPT MC. Prevention of Low Back Pain in Military Basic Trainees $(3/91)$	41
FORT DR	UM, NY	
8200	Grabenstein, John EdM, MS. Prescribed Medication Use Among Troops Deploying and Deployed to Somalia: Pharmacoepidemiologic Analysis (1/93)	42
HIV RES	EARCH	
1952	Oster, Charles COL MC. The Clinical Presentation of HIV Infected Patients at Walter Reed Army Medical Center (1/87)	43
2529	Turnicky, Ronald LTC MC. Pharyngeal Tonsillar Biopsy Protocol: Feasibility Study (6/93)	44
3370	Birx, Deborah LTC MC. A Phase I Study of the Safety and Immunogenicity of MNrgp 120/HIV-1 Vaccine Comparing HIV-1 Seropositive Subjects Previously Immunized with IIIB rgp120/HIV-1 Vaccine on Protocol V0200g and HIV-1 Seropositive Subjects Who Have Not Previously Received HIV (6/93)	45

^{*} Reference is to page number(s) in V3%ume II.

PROTOCO NUMBER		PAGE* (VOL II)
HIV RESEARCH (continued)		
6264	Robb, Merlin LTC MC. Perinatal HIV Infection: Epidemiology and Natural History (4/90)	46
6346	Robb, Merlin MAJ MC. Pediatric Vaccine Therapy: A Phase I, Feasibility Trial of Vaxsyn (rgp160 vaccine) in HIV Infected Symptomatic and Asymptomatic Children and Adolescents (1/93)	47
7243	Tomoshok, Lydia PhD. Psychiatric Natural History Study: Factors Related to Human Immunodeficiency Virus Transmission and Morbidity (4/90)	48
8802	Hawkes, Clifton LTC MC. VA Cooperative Study No. 298, Treatment of AIDS and AIDS Related Complex; Part I: Treatment of Patients with ARC (AZT Vs. Placebo) (4/88)	49
8803	Chung, Raymond COL MC. Core Protocol for HIV Developmental Diagnostics (Adults) (5/88)	50
8804	Chung, Raymond COL MC. The Natural History of HIV Infection and Disease in United States Military Beneficiaries (5/88)	51
8805	Konzelman, Joseph DDS. Natural History of Oral Manifestations of HIV Infection in a United States Military Population (10/88)	52
8806	Redfield, Robert LTC MC. Active Immunization of HIV Infected Patients with Recombinant GP160 HIV Protein: Phase I Study of Immunotherapy, Immunogenicity and Toxicity (11/88)	53
8812	Smith, Kathleen COL MC. The Investigation of the Cutaneous Manifestations of HIV Infection in Relation to the Onset, Severity and Progression of Disease, Dermatologic Natural History (5/89)	54
8814	Cortese, Linda RPh, MS. Pharmacoepidemiologic Study to Develop a Database to Document Variations in the Outcome of Illness Which May be Due to Drug Effects and To Document Patterns of Drug use in HIV Infected Patients (8/89)	55
8817	Johnson, Steven MAJ MC. The Effect of HIV Infection on the Initial Manifestations and Response to Treatment of Syphilis (11/89)	56

^{*} Reference is to page number(s) in Volume II.

PROTOCO		PAGE*
NUMBER	PRINCIPAL INVESTIGATOR, TITLE, AND APPROVAL DATE	(VOL II)
HIV RES	EARCH (continued)	
8818	Mayers, Douglas CDR MC. Prospective Study of the Emergence of Zidovudine Resistance in Patients Infected with the Human Immunodeficiency Virus who are Treated with Zidovudine (6/90)	57
8819	Redfield, Robert LTC MC. Active Immunization of Early HIV Infected Patients with Recombinant GP160 HIV Protein: Phase II Study of Toxicity, Immunotherapy, In Vivo Immunoregulation and Clinical Efficacy (9/90)	58
8820	Redfield, Robert LTC MC. A Phase I Study of the Safety and Immunogenicity of rgp120/HIV-1-111B Vaccine in HIV-1 Seropositive Adult Volunteers (9/90)	59
8825	Burrell, Linda MAJ MC. Role of Accessory Cells in Hematopoietic Suppression After HIV-Infection (10/91)	60
8826	Chung, Raymond COL MC. A Double-Blind, Placebo Controlled, Parallel Group, Multicenter Study of the Use of Weekly Azithromycin as Prophylaxis Against the Development of Mycobactrium avium Complex Disease in HIV Infected People (7/92)	61
8827	Redfield, Robert LTC MC. Active Immunization of AZT-Treated HIV-Infected Patients with Recombinant GP160 HIV Protein: Phase I/II Study of Immunogenicity Toxicity, and Effect in In Vivo Immunoregulation (8/92)	62
8828	Hawkes, Clifton LTC MC. Evaluation of SQ 32,756 (BV-araU) Versus Acyclovir in the Treatment of Localized Herpes Zoster in HIV-Infected Patients (-38/-022) (ACTG 169) (12/92)	63
8829	Hawkes, Clifton LTC MC. A Phase III Comparative Study of Dapsone/Trimethoprim and Clindamycion/Primaquine Versus Trimethoprim/Sulfamethoxazole in the Treatment of Mild-to-Moderate PCP in Patients with AIDs (ACTG 108) (12/92)	64
8830	Hawkes, Clifton LTC MC. A Pilot Study Evaluating Penicillin G and Cetriaxone as Therapies for Presumed Neurosyphillis in HIV Seropositive Individuals (ACTG 145) (2/93)	65
8831	Redfield, Robert, LTC MC. Active Immunization of Early HIV-Infected Pregnant Women with Recombinant GP160 HIV Protein: A Pilot Study of Toxicity, Dosing, Immunogenicity and Feasibility (4/93)	66

^{*} Reference is to page number(s) in Volume II.

PROTOCO NUMBER	PRINCIPAL INVESTIGATOR, TITLE, AND APPROVAL DATE	PAGE* (VOL II)
	MMUNITY HOSPITALS and ACH, Fort Knox, KY	
8102	Isaac, Joseph MAJ DC. Carpal Tunnel Syndrome: An Occupational Hazard ofthe Dental Practice (9/93)	67
	ENT OF MEDICINE er & Leukemia Group B	
1504	Weiss, Raymond MD. CALGB 8662 Monitoring Circulating Breast Cancer Associated Antigens with the 15-3 Radioimmunoassay in Metastatic Breast Cancer $(1/90)$	68
1505	Weiss, Raymond MD. CALGB 8963 Psychological Adaptation of Survivors of Acute Leukemia (2/90)	69
1509	Weiss, Raymond MD. CALGB 9011 A Study of Fludarabine Vs. Chlorambucil Vs. Both Drugs for Chronic Lymphatic Leukemia (11/90)	70
1510	Weiss, Raymond MD. CALGB 9051 A Study of Combination Chemotherapy Plus Irradiation for Early Stage Hodgkin's Disease (11/90)	71
1511	Weiss, Raymond MD. CALGB 9081: An Intergroup Study of Rectal Cancer Adjuvant Therapy $(11/90)$	72
1513	Weiss, Raymond MD. CALGB 8923 Randomized Studies of Induction Therapy Adjuncts and Intensification Therapy Regimens for Older Patients with Acute Myelocytic Leukemia (12/90)	73
1514	Weiss, Raymond MD. CALGB 9021 Induction Therapy for Relapsed or Refractory Acute Myelocytic Leukemia or Blast Crisis of Chronic Myelocytic Leukemia (12/90)	74
1516-84	Weiss, Raymond MD. CALGB 8364: Immunological Diagnostic Studies in Adult ALL (10/83)	75
1517	Weiss, Raymond MD. CALGB 9013: Alpha Interferon and Cytarabine for Untreated Chronic Myelogenous Leukemia (2/91)	76
1518	Weiss, Raymond MD. CALGB 8761: Prognostic Implications of Chromosomal Abnormalities in Chronic Myelogenous Leukemia (2/91)	77

^{*} Reference is to page number(s) in Volume II.

PROTOCOL NUMBER PRINCIPAL INVESTIGATOR, TITLE, AND APPROVAL DATE	PAGE* (VOL II)
DEPARTMENT OF MEDICINE Cancer & Leukemia Group B (continued)	
Weiss, Raymond MD. CALGB 9142 Comparison of Chemotherapy Chemohormonotherapy in Premenopausal Women with Stage II Receptor Positive Breast Cancer (3/91)	7s. 78
Weiss, Raymond MD. CALGB 9143 Comparison of Combination Chemotherapy with the CAF Regimen Vs. A 16-week 6-Drug Regimen for Stage II Receptor Negative Breast Cancer (3/91)	79
1521-91 Weiss, Raymond MD. CALGB 9194: Comparison of Adjuvant Chemotherapy with Concurrent or Delayed Tamoxifen vs. Tamoxifen Alone in Postmenopausal Patients with Receptor Positive Stage II Breast Cancer (4/91)	80
1522-84 Weiss, Raymond MD. CALGB 8461: Cytogenic Studies in Acute Leukemia: A Companion to CALGB 8011, 8323, 8321, and 8411 (9/84)	81
1525-92 Weiss, Raymond M.D CALGB 9130: A Trial of Chemotherapy and Radiation with or Without Carboplatin for Inoperable Lu Cancer (1/92)	82 Ing
1526-92 Weiss, Raymond M.D CALGB 9140: A Phase III Study of CAF-Leucovorin vs. *CAF for Visceral Crisis Breast Cancer (1/92)	83
1527-92 Weiss, Raymond M.D CALGB 9190: A Trial of Postoperative Interferon in Resected High Risk Melanoma (1/92)	84
1528-92 Weiss, Raymond M.D CALGB 9195: A Trial of Adjuvant Chemoradiation vs. Observation After Gastric Resection of Adenocarcinoma (1/92)	85
1531-92 Weiss, Raymond MD, DAC. CALGB 9160: A Phase III Trial of High Dose Cyclophosphamide With G-CSF With or Without Amifostine (4/92)	86
1532-92 Weiss, Raymond M.D CALGB 9261 A Phase I Study of Topotecan and Cisplatin (6/92)	87
1533-92 Weiss, Raymond MD. CALGB 9134: Combined Modality Therapy for Stage III Non-Small Cell Lung Cancer (11/92)	88

^{*} Reference is to page number(s) in Volume II.

PROTOCO NUMBER	L PRINCIPAL INVESTIGATOR, TITLE, AND APPROVAL DATE	PAGE* (VOL II)
	ENT OF MEDICINE er & Leukemia Group B (continued)	
1534-92	Weiss, Raymond MD. CALGB 9191: A Randomized Study of All-Trans Retinoic Acid vs Standard Induction Therapy for Acute Promyelocytic Leukemia (11/92)	89
1535-92	Weiss, Raymond MD. CALGB 9222: A Randomized Study of Intensification Therapy for Patients Under Age 60 with Acute Myelogenous Leukemia (11/92)	90
1536-92	Weiss, Raymond MD. CALGB 9263: Detection of Trisomy Genetic Change in Chronic Lymphatic Leukemia (11/92)	91
1537-92	Weiss, Raymond MD. CALGB 9162 Study of Pharmacokinetic Parameters in the Efficacy and Toxicity of 5-FU (12/92)	92
1538-92	Weiss, Raymond MD. CALGB 9163 A Randomized Study of Vinblastine with Modulators in Metastatic Renal Cancer (12/92)	93
1539-92	Weiss, Raymond MD. CALGB 9242 Topotecan for Advanced Breast Cancer $(12/92)$	94
1540-92	Weiss, Raymond MD. CALGB 9092 A Study of 5-Fluorouracil (5-FU) With or Without Modulators in Advanced Colorectal Cancer (12/92)	95
1541-93	Weiss, Raymond MD. CALGB 9153: A Trial of Cladribine in Advance Stage, Low Grade non-Hodgkin's Lymphoma (3/93)	96
1542-93	Weiss, Raymond MD. CALGB 9154: A Comparison of Two Dose Levels of Chope Combination Chemotherapy and G-CSF for Non-Hodgkin's Lymphoma (3/93)	97
1543-93	Weiss, Raymond MD. CALGB 9256: A Study of Taxotere in Advanced Stage Non-Hodgkin's Lymphoma (3/93)	98
1544-86	Weiss, Raymond MD. CALGB 8525: A Phase III Comparative Study of Post-Remission Intensive Ara-C in Patients with Acute Nonlymphocytic Leukemia in First Remission (addendum CALGB 8661 Epidemiology of Acute Leukemias in Adults Cytogenically Determined Subgroups) (10/92)	99

^{*} Reference is to page number(s) in Volume II.

PROTOCOL NUMBER PRINCIPAL INVESTIGATOR, TITLE, AND APPROVAL DATE	PAGE* (VOL II)
DEPARTMENT OF MEDICINE Cancer & Leukemia Group B (continued)	
1544-93 Weiss, Raymond M.D CALGB 9294. An Intergroup Study of Colon Cancer Adjuvant Therapy (5/93)	100
1545-93 Weiss, Raymond MD. WRAMC 9302. A WRAMC/NCI Collaborative Phase I Study of Taxol Given as a Continous Infusion (6/93)	101
1546-93 Weiss, Raymond MD. CALGB 9362: A Phase I Study of Topoteca and Taxol (6/93)	n 102
1560-87 Weiss, Raymond MD. CALGB 8642: A Master Protocol to Study Single Agent Chemotherapy Vs. Standard Chemotherapy for Advanced Breast Cancer (6/87)	103
1573-87 Weiss, Raymond MD. CALGB 8762: Molecular Subtypes in Acute Lymphatic Leukemia with Philadelphia Chromosome (10/87)	104
1574-87 Weiss, Raymond MD. CALGB 8763: Immunoglobulin and T Cell Receptor Gene Rearrangement in Adult Acute Lymphatic Leukemi (10/87)	105 a
1577-80 Weiss, Raymond MD. CALGB 8361: Immunologic Diagnostic Studies in AML (blood drawing phase); previously CALGB 7921) A Comparative Study of 3 Remission Induction Regimens and 2 Maintenance Regimens for AML (treatment phase); previously CALGB 8321 (12/81)	106
1579-88 Weiss, Raymond MD. CALGB 8861: Monitoring Circulating Breast Cancer-Associated 15-3 Antigen in Stage II Breast Cancer (1/88)	107
1590-89 Weiss, Raymond MD. CALGB 8852: A Study of CHOPE in Diffuse Lymphomas (1/89)	108
1595-89 Weiss, Raymond MD. CALGB 8961 RAS Mutations in Myelodysplasia (4/89)	109
1598-89 Weiss, Raymond MD. CALGB 8952 Combination Chemotherapy for Advanced Hodgkin's Disease, Phase III (8/89)	110
1685 Weiss, Raymond M.D WRAMC 9301. A WRAMC/NCI Collaborative Phase I Study of Topotecan and Adriamycin (5/93)	111

 $[\]star$ Reference is to page number(s) in Volume II.

PROTOCO NUMBER	L PRINCIPAL INVESTIGATOR, TITLE, AND APPROVAL DATE	PAGE* (VOL II)
-	ENT OF MEDICINE iology Service	
1260	Hull, Robert MAJ MC. Antiarrhythmic Therapy in Congestive Heart Failure, VA Cooperative Study #320 (10/89)	112
1264	Carter, Andrew MAJ MC. The Role of Tumor Necrosis Factor After Balloon Angioplasty in a Pig Model (10/90)	113
1265	Prewitt, Kerry CPT MC. Cardiac Safety of Sexual Intercourse Following Myocardial Infarction as Assessed by High Resolution Holter Monitor (10/90)	114
1267	Gorman, Patrick MAJ MC. Cholesterol and Recurrent Events (5/91)	115
1269	Carter, Andrew MAJ MC. The Porcine Restenosis Model: Characterization of the Vascular Proliferative Response to Injury (7/91)	116
1270	Wiley, Thomas MAJ MC. Electrophysiologic Identification of Concealed Accessory Pathway Conduction as a Potential Predisposing Factor in "Lone" Atrial Fibrillation (7/91)	117
1272	Cantilena, Louis MD PhD. Pharmacokinetic Drug Interactions with Terfenadine $(10/91)$	118
1273	Pearson, Clarence LTC MC. A Study Investigating the Safety and Duration of Effect of Isosorbide-5-Mononitrate in a Controlled-Release Formulation in Patients with Stable Effort Angina Pectoris (1/92)	119
1274	Hull, Robert MAJ MC. Transcoronary Mapping of Accessory Pathways in Patients Undergoing Percutaneous Accessory Pathway Radiofrequency Ablation (1/92)	120
1275	Laird, John MAJ MC. Percutaneous Balloon Pericardotomy for the Treatment of Pericardial Effusion/Tamponade (7/92)	121
	Pearson, Clarence LTC MC. CAVEAT II. A Study Investigating the Primary and Long-Term Outcome in Patients with De Novo Vein Graft Lesion Randomly Assigned to Either Balloon Angioplasty or Directional Atherectomy (8/92)	122

^{*} Reference is to page number(s) in Volume II.

PROTOCOL	PAGE* (VOL II)	
NUMBER PRINCIPAL INVESTIGATOR, TITLE, AND APPROVAL DATE	(VOL 11)	
DEPARTMENT OF MEDICINE Cardiology Service (continued)		
1277 Campos, Miguel MAJ MC. Side Branch Occlusion with Directional Coronary Atherectomy: Incidence and Risk F. (12/92)	123 actors	
1278 Cantilena, Louis, M.D., Ph.D. Investigation of Non-Line Pharmacokinetics and Electrocardiographic Pharmacodynam Terfenadine (2/93)		
1279 Cantilena, Louis Jr MD PhD. Pharmacokinetic and Pharmacodynamic Interactions Between Terfenadine and Erythromycin (7/93)	125	
1280 Collier, Edward MAJ MC. Treatment and Outcome of Acute Myocardial Infarction in a Military Medical Center: Participation in the National Registry (8/93)	126	
1281 Gorman, Patrick MAJ MC. Coumadin-Aspirin Reinfarction (8/93)	Study 127	
DEPARTMENT OF MEDICINE Dermatology Service		
1815 James, William COL MC. Investigation of a Viral Etiolo Pityriasis Rosea (1/91)	gy in 128	
1817 Turiansky, George MAJ MC. 5-Fluorouracil Iontophoretic Therapy for Bowenoid Conditions (11/92)	129	
1818 Beard, Jeffrey CPT MC. Topical Corticosteroid Inhibition Dermal Delayed Type Hypersensitivity (11/92)	on of 130	
DEPARTMENT OF MEDICINE Endocrine-Metabolic Service		
1311-88 Solomon, Barbara DNSc. Incidence of Fractures in Post-Menopausal Women (12/88)	131	
1312-89 Glass, Allan COL MC. Treatment of Oligospermia with Antiestrogens (4/89)	132	

^{*} Reference is to page number(s) in Volume II.

PROTOCOL NUMBER PRINCIPAL INVESTIGATOR, TITLE, AND APPROVAL DATE	PAGE* (VOL II)
DEPARTMENT OF MEDICINE Endocrine-Metabolic Service (continued)	
1316-89 Burman, Kenneth COL MC. Identification of Unique Nucleotides in the Thyroid Gland of Patients with Various Thyroid Disorders (7/89)	133
1324-90 Schaaf, Marcus MD. Use of Corticotropin Release Hormone in the Evaluation of Hypercortisolemia and Hypocortisolemia (5/90)	134
1328-90 Carr, Frances PhD. Mechanisms of Thyrotropin Releasing Hormone Regulation of Thyrotropin Gene Expression (10/90)	135
1329-90 Burch, Henry MAJ MC. Search for p53 Genetic Abnormalities in Tissue obtained from Normal and Pathological Thyroid Glands (12/90)	136
1330-90 Clement, Stephen MAJ MC. A 16 Week Double-Blind Placebo Controlled Dose Response Study Using Glipizide GITS Tablets for the Treatment of Noninsulin Dependent Diabetes Mellitus (12/90)	137
1331-91 Burman, Kenneth COL MC. Response of Multinodular Goiters with Substernal Extension to Therapeutic Doses of Iodine-131 (2/91)	138
1333-91 Lahiri, Sabita MS. Endothelin and Cultured Human Thyroid Cells (4/91)	139
1334-91 Clement, Stephen MAJ MC. A Search for Glycosylated Insulin in Patients with Non-Insulin Dependent Diabetes Mellitus (5/91)	140
1335-91 Francis, Thomas CPT MC. The Preparation of a Selective Pericentromeric Chromosome 10 YAC (Yeast Artificial Chromosome) DNA Library to Further Define MEN2 Gene Location (6/91)	141
1336-91 Burch, Henry MAJ MC. Investigation of Cross-Reactivity in the Immune Response Against the Human Thyrotropin Receptor and the HIV-1 New Protein in Rabbits (10/91)	142

^{*} Reference is to page number(s) in Volume II.

PROTOCOL NUMBER PRINCIPAL INVESTIGATOR, TITLE, AND APPROVAL DATE	PAGE* (VOL II)
DEPARTMENT OF MEDICINE Endocrine-Metabolic Service (continued)	
1337-91 Solomon, Barbara DNSc. Treatment of Graves' Disease with Cholestyramine (10/91)	143
1338-91 Clement, Stephen MAJ MC. A Sixteen-Week, Open-Label, Two-Way Cross-Over Switch Study Comparing Glucotrol and Glipizide GITS in the Treatment of Non-Insulin Dependent Diabetes Mellitus and An Open-Label, Long-Tern Evaluation of Glipizide GITS for the Treatment of NIDDM (10/91)	144
1340-91 Duncan, William LTC MC. The Bone Mineral Density of Women Treated with Thyroid Hormone (12/91)	145
1341-92 Kushner, Jonathan MAJ MC. Recognition of Hospital Malnutrition by Primary Physicians (1/92)	146
1342-92 Burman, Kenneth COL MC. The Interaction of Steroids and Atrial Natriuretic Peptide in Cultured Thyroid Cells (2/92)	147
1343-92 Duncan, William LTC MC. Hormonal Regulation of the Vitamin D Receptor in Human Breast Cancer Cells: A Novel Strategy for Augmenting the Antiproliferative Effectr of Calcitriol (3/92)	148
1344-92 Taylor, Thomas COL MC. The Vascular Endothelium: A Critical Site of Toxin Action (3/92)	149
1346-92 Nicholson, Diarmuid Ph.D., DAC. Development of a Quantitative Polymerase Chain Reaction for Vitamin D Receptor mRNA (4/92)	150
1348-92 Burch, Henry MAJ, MC. Combined Free Thyroxine and Sensitive TSH Testing in a Large Clinical Practice: Comparison with Conventional Thyroid Laboratory Testing in Patients with Various States of Thyroid Function and Acquired Binding Protein Abnormality (5/92)	151
1349-92 Burch, Henry MAJ MC. Acute Changes in Total and Free Thyroid Hormone Levels Following Radioiodine Ablation Therapy in the Treatment of Graves' Disease (5/92)	152
1350-92 Torrens, Javier CPT MC. The Effect of Etidronate on Bone Mienral Density (BMD) in Patients on Levothyroxine Suppression (8/92)	153

^{*} Reference is to page number(s) in Volume II.

PROTOCO NUMBER		PAGE* (VOL II)
	ENT OF MEDICINE crine-Metabolic Service (continued)	
1351-92	Solomon, Barbara DNSc. The Management of Papillary Thyroid Carcinoma in the United States (10/92)	154
1352-92	Lasswell, William MAJ MC. Effects of 1,25-Dihydroxyvitamin D on the Growth of Human Breast Carcinoma Cells in Culture $(11/92)$	155
1353-92	Lasswell Jr, William MAJ MC. Effects of Administration of the Contrast Agent Hexabrix on Thyroid Function Tests and Thyroid Uptake of Iodine (11/92)	156
1354-92	Burman, Kenneth COL MC. Analysis of MHC Bound Peptides on the Surface of Epithelial Cells (11/92)	157
1355-92	Bernet, Victor CPT MC. Longitudinal Study on Bone Metabolism in Patients Receiving Sequentially Increasing Doses of Levothyroxine $(12/92)$	158
1356-92	Burman, Kenneth COL MC. L-Tryptophan Eosinophilia Myalgia Syndrome (91-M-12) and Other Autoimmune Disorders (12/92)	159
1357-92	Burman, Kenneth COL MC. The Effects of Arginine Vasopressin Administration on Neuroendocrine Response and Cognition in Patients with Major Psychiatric Illness (12/92)	160
1358-92	Burman, Kenneth COL MC. Dose Dependent Effects of Graded Exercise on Hypothalamic-Pituitary Adrenal Function in Patients with Putative Central Adrenal Insufficiency (12/92)	161
1359-92	Lahiri, Sabita MS. Interactions of Cytokines, Thyrotropin, and Iodide in the Thyroid Gland (12/92)	162
1360-93	Burman, Kenneth COL MC. Identification of Mutations by Single Stranded Conformational Polymorphisms (SSCP) (3/93)	163
1361-93	Burman, Kenneth COL MC. Development of Graves' Disease and Graves' Ophthalmopathy in Patients with Hodgkin's Disease: Relationship to Prior History of Radiation Therapy (3/93)	164
1362-93	Bernet, Victor CPT MC. Nyctohemeral Plasma Concentrations of TSH and FT4 in Patients Receiving Suppressive Doses of LT4 $(3/93)$	165

^{*} Reference is to page number(s) in Volume II.

PROTOCO:	L PRINCIPAL INVESTIGATOR, TITLE, AND APPROVAL DATE	PAGE* (VOL II)
	ENT OF MEDICINE crine-Metabolic Service (continued)	
1371-86	Glass, Allan COL MC. Transplantation Antigens on Spermatozoa (11/85)	166
1385-87	Burman, Kenneth COL MC. Molecular Biology of Thyroid Disease (10/86)	167
1812	Burman, Kenneth COL MC. Oncogenes in Basal Cell Nevus Syndrome, Cowden's Disease and Tore's Disease (9/89)	168
	ENT OF MEDICINE roenterology Service	
1404	Moses, Frank LTC MC. Treatment of the Microscopic Colitis/Collagenous Colitis Syndrome with Sulfasalazine: A Double-Blind Crossover Controlled Trial (12/88)	169
1406	Cheney, Christopher LTC MC. Campylobacter Pylori: Serologic Studies as a Measure of Efficacy of Treatment (3/89)	170
1407	Wong, Roy COL MC. Effectiveness of Pneumatic Dilations in the Treatment of Achalasia (4/89)	171
1408	Wong, Roy COL MC. Nocturnal Gastroesophageal RefluxFactors Associated with Reflux Events: A Retrospective Review of 24 Hour Esophageal pH Monitoring Data (5/89)	172
1410	Moses, Frank LTC MC. Open Label Trial of Low Dose Oral Pulse Methotrexate Therapy for Primary Sclerosing Cholangitis (10/89)	173
1411	DeMarkles, Michael CPT MC. The Effect of Lithium Carbonate on Gastric Emptying and Gastrointestinal Hormones in Humans: A Double Blind Randomized Study (1/90)	174
1412	Sjogren, Maria COL MC. Clinical and Serologic Evaluation of Blood Donors at Walter Reed Army Medical Center (2/90)	175
1413	Kikendall, J. Walter COL MC. Large Bowel Adenomatous Polyp Dietary Intervention Study-Clinical Centers (2/90)	176

^{*} Reference is to page number(s) in Volume II.

PROTOCO NUMBER		PAGE* (VOL II)
	MENT OF MEDICINE croenterology Service (continued)	
1415	Sjogren, Robert COL MC. The Compassionate Use of Cisapride in the Treatment of Patients with Refractory Nonulcer Dyspepsia, Diabetic Gastropareseis with Intolerance to Metoclopramide and Chronic Intestinal Pseudo-obstruction (4/90)	177
1417	Wong, Roy COL MC. Incidence of Gastric Mucosal Injury in Patients Ingesting Liquid Versus Solid Ibuprofen (6/90)	178
1418	Moses, Frank LTC MC. Prospective Evaluation of 99mTechnetium Sulfur Colloid Liver Spleen Scan and 99mTechnetium Mebrofenin Hepatobiliary Radionuclide Scan for Diagnosis of Diffuse Hepatocellular Disease (6/91)	179
1420	Sjogren, Maria COL MC. Household Transmission of Hepatitis C Virus in Military Populations (11/91)	180
1421	Sjogren, Maria COL MC. A Randomized, Controlled Trial of Interferon Alpha and Thymosin Alpha 1 in Patients with Hepatitis C Antibody Positive Chronic Active Hepatitis (11/91)	181
1422	Sjogren, Maria COL MC. Significance and Natural History of Detectable Hepatitis C Antibody in Military Populations (11/91)	182
1423	Kikendall, James COL MC. Intermediate Markers of Colonic Neoplasia (3/92)	183
1425	Yavorski, Robert CPT MC. Evaluation of Gastroesophageal Reflux as a Cause of Hoarseness: Evaluation of Pepsin as a Marker of Reflux-Induced Esophageal Injury (7/93)	184
1497	Wong, Roy COL MC. The Effect of Indomethacin on Rectosigmoid Mucosal Blood Flow and Rectosigmoid Mucosal Prostaglandin Levels in Humans (10/87)	185
1498	Cremins, James CPT MC. Pathophysiology and Treatment for Non-Ulcer Dyspepsia (Using Cisapride) (12/87)	186

 $[\]star$ Reference is to page number(s) in Volume II.

PROTOCO NUMBER		PAGE* (VOL II)
	ENT OF MEDICINE ral Medicine Service	
1029	Kroenke, Kurt LTC MC. Common Symptoms in Ambulatory Medicine: The Effects of Attributions and Expectations on Symptom Outcome and Patient Satisfaction (1/92)	187
1030	Kroenke, Kurt LTC MC. Development of a Primary Care Evaluation of Mental Disorders System (PRIME-MD) (1/92)	188
1031	Kroenke, Kurt LTC MC. Advance Directives: Implementation into Clinical Practice (2/92)	189
1032	O'Malley, Patrick CPT MC. Value of the PRIME-MD Questionnaire Prior to Upper Endoscopy (1/93)	190
1033	Byrd, John CPT MC. Funguria in a Tertiary Care Medical Center (5/93)	191
	ENT OF MEDICINE tology-Oncology Service	
1523-91	Weiss, Raymond M.D CALGB 9111. A Trial of G-CSF vs Placebo During Remission Induction and Consolidation Chemotherapy for Adult Acute Lymphatic Leukemia (10/91)	192
1524-91	Dawson, Nancy LTC MC. A NCI/WRAMC Collaborative Phase I Trial of Suramin in Patients with Advanced Solid Tumors (11/91)	193
1530-92	Weiss, Raymond MD. CALGB 9181. A Comparative Study of Two Doses of Megace in Advanced Prostate Cancer (3/92)	194
1668-89	Burrell, Linda MAJ MC. WRAMC 8904: High Dose Chemotherapy and Autologous Bone Marrow Transplantation for Poor Prognosis Lymphomas, Phase II (8/89)	195
1669-89	Burrell, Linda MAJ MC. WRAMC 8905: Chemotherapy with Autologous Bone Marrow Support for Selected Advanced Solid Tumors, Phase II (9/89)	196
1676	Alving, Barbara COL MC. Detection of Lupus Anticoagulants in Patients with Anticardiolipin Antibodies (9/90)	197

^{*} Reference is to page number(s) in Volume II.

PROTOCO NUMBER	PRINCIPAL INVESTIGATOR, TITLE, AND APPROVAL DATE	PAGE* (VOL II)
	ENT OF MEDICINE tology-Oncology Service (continued)	
1677	Burrell, Linda MAJ MC. Fludarabine Phosphate (FAMP: NSC-312887) in Compassionate Circumstances (4/91)	198
1680	Ward, Frank LTC MC. An Open Protocol for the Use of Agrelin (Anagrelide) for Patients with Thrombocythemia (11/91)	199
1681	Hartman, Kip LTC MC. Characterization of Human Autoantibodies to Neutrophils and to Bone Marrow Myeloid Precursor Cells (4/92)	200
1682	Reid, Thomas, MAJ MC. Solvent/Detergent Treated Pooled Human Plasma for Patients with Coagulopathies Requiring Fresch Frozen Plasma $(10/92)$	201
1683	Reid, Thomas MAJ MC. Intravenous Anti-Rho(D) [WinRhoSD Preparation] for the Treatment of Immune Thrombocytopenic Purpura (11/92)	202
1684	Wiesen, Andrew CPT MC. Equilibration of Hemoglobin After Transfusion $(12/92)$	203
1686	Reid, Thomas MAJ MC. Studies of the Prolliferation and Differentiation of Pluripotent Stem Cells and Committed Hematopoietic Precursors from Human Bone Marrow Maintained in Continuouis Long-Term Cultures (9/93)	204
9022-83	Reid, Thomas MAJ MC. Studies of the Proliferation and Differentiation of Pluripotent Stem Cells and Committed Hematopoietic Precursors from Normal Bone Marrow Maintained in Continuous Long-term Cultures (10/82)	205
	ENT OF MEDICINE ctious Disease Service	
1965	Johnson, Steven MAJ MC. Treatment of Cutaneous Leishmaniasis with Pentostam $(2/89)$	206
1967	Cross, Alan COL MC. Pharmacokinetics of Polyvalent Hyperimmune Globuin Directed Against Pseudomonas and Klebsiella (6/89)	207

^{*} Reference is to page number(s) in Volume II.

PROTOCO NUMBER		PAGE* (VOL II)
	MENT OF MEDICINE ectious Disease Service (continued)	
1975	Kester, Kent MAJ MC. A Retrospective Analysis of Corynebacterial Bacteremias at Walter Reed Army Medical Center (9/93)	208
	MENT OF MEDICINE hrology Service	
1157	Moore, Jack LTC MC. Effects of Thyroid Hormone and Thyrotropin (TSH) on Cultured Kidney Cells: Modulation of ANP Receptors and Epithelial Function (11/88)	209
1161	Yuan, Christina CPT MC. Mechanisms of Action of Thiorphan and Atrial Natriuretic Peptide on Renal Function During Hemorrhagic Shock (11/90)	210
1162	Carome, Michael CPT MC. The Regulation of Insulin-like Growth Factor I and Insulin-like Growth Factor Binding Protein Gene Expression in the Mouse Glomerulus (1/91)	211
1163	Yuan, Christina CPT MC. Effects of Cyclosporin A on the Production of Vasoactive Hormones by Endothelial Cells in Culture (3/91)	212
1164	Moore, Jack LTC MC. Synthesis and Degradation of Collagen and Modulation of its Biology in Sclerosing Forms of Human Glomerulonephritis: Analysis of Gene Expression (4/91)	213
1165	Bohen, Erin CPT MC. The Effects of Cisplatin on the Production of Endothelin and Other Vasoactive Hormones by Endothelial Cells in Culture (8/91)	214
1166	Yuan, Christina CPT MC. The Effects of Gentamicin on the Production of Vasoactive Hormones by Endothelial Cells in Culture $(11/91)$	215
1167	Bohen, Erin CPT MC. The Effect of Enalapril on Hypertension, Proteinuria, and Renal Function in a New Model of Diabetes Mellitus in Wistar Rats (11/91)	216
1168	Bohen, Erin CPT MC. The Acute Effect of Enalapril on Hypertension in a New Model of Hypertension Associated with Diabetes Mellitus in Wistar Rats (1/92)	217

^{*} Reference is to page number(s) in Volume II.

PROTOCO NUMBER		PAGE* (VOL II)
	NENT OF MEDICINE (continued)	
1169	Welch, Paul MAJ MC. Safety and Immunogenicity of Staphylococcus Aureus Capsular Polysaccharide - Pseudomonas Aeruginosa, r-exoprotein A type 5 Conjugate Vaccine Given to Patients with End-Stage Renal Disease (ESRD) (2/92)	218
1170	Yuan, Christina MAJ MC. Stress Proteins and Cytoprotection in MDCK Cells in Culture (9/92)	219
1171	Carome, Michael CPT MC. Analysis of the Distribution of Cellular Uptake of radiolabeled Oligodexoynucleotides Within the Rat kidney (6/93)	220
1172	Carome, Michael MAJ MC. Analysis of Glomerular Gene Expression in Diabetic Nephropathy (6/93)	221
1173	Popham, Sandy CPT MC. Relationship of Heat Shock Protein expression to Proliferation in Mesangial Cells (9/93)	222
	ENT OF MEDICINE onary & Critical Care Medicine Service	
3011	Poropatich, Ronald MAJ MC. Comparison of Work of Breathing During Mechanical Ventilation Using Assist Control and Intermittent Mandatory Ventilation (2/91)	223
	ENT OF MEDICINE onary Disease Service	
1707	Rajagopal, Krishnan LTC MC. Relationship Between Respiratory Control Mechanisms and Nocturnal Desaturation in Diffuse Pulmonary Fibrosis (2/81)	224
1724	Dillard, Thomas LTC MC. Mechanisms of Hypoxia During Simulated Air Travel in Patients with Chronic Obstructive Pulmonary Disease (1/88)	225
1725	Rajagopal, Krishnan LTC MC. Evaluation of Inspiratory Parameters in the Response to Inhaled Bronchodilators (2/88)	226
1726	Rajagopal, Krishnan LTC MC. Physiologic Assessment of Exercise Limitation in Upper Airway Obstruction (2/88)	227

 $[\]star$ Reference is to page number(s) in Volume II.

PROTOCO NUMBER	L PRINCIPAL INVESTIGATOR, TITLE, AND APPROVAL DATE	PAGE* (VOL II)
	ENT OF MEDICINE onary Disease Service (continued)	
1736	Poropatich, Ronald MAJ MC. Treatment of Pulmonary Sarcoidosis with High Dose Inhaled Triamcinolone Acetonide (1/90)	228
1737	Dillard, Thomas MAJ MC. Predicting Exercise Responses in COPD Patients (2/90)	229
1739	Eliasson, Arn MAJ MC. VA Cooperative Study No. 316: Efficacy of Passive Immunization in the Prevention of Infection due to Klebsiella Pneumoniae and Pseudomonas Aeruginosa (7/90)	230
1743	Hnatiuk, Oleh CPT MC. Maximum Inspiratory Flow Rate as a Determinant of Maximum Voluntary Ventilation in Normal Patients and Patients with Obstructive Lung Disease (10/90)	231
1746	Hnatiuk, Oleh MAJ MC. Clinical Utility of Post-Thoracentesis Radiography $(4/91)$	232
1749	Torrington, Kenneth COL MC. Air Transport of Patients with Pulmonary Defects (9/91)	233
1751	Torrington, Kenneth LTC MC. Postoperative Pulmonary Changes Following Laparoscopic vs. Right Subcostal Cholecystectomy (11/91)	234
1752	Hurwitz, Kenneth CPT MC. Eucapnic Voluntary Hyperventilation as a Bronchoprovocation Technique: Comparison with Methacholine Inhalation in Asthmatics (2/92)	235
1753	Parker, Joseph MAJ MC. Accuracy of Predicted Normal Values in Clinical Spirometry (6/92)	236
1754	Kumke, Kevin, CPT MC. The Effects of Buspirone on Respiraton in Asthma Patients $(6/92)$	237
1758	Parker, Joseph CPT MC. Withholding and Withdrawing Life-Sustaining Treatment from Patients in the Intensive Care Unit $(12/92)$	238
1759	Torrington, Kenneth LTC MC. Postoperative Pulmonary Changes Following Video Assisted Thoracic Surgery versus Lateral Thoracotomy (1/93)	239

^{*} Reference is to page number(s) in Volume II.

PROTOCO NUMBER		PAGE* (VOL II)
	MENT OF MEDICINE monary Disease Service (continued)	
1760	Lepler, Lawrence CPT MC. The Utility of Capnography and Transcutaneous Capnometry in the Evaluation of Airflow Obstruction and Gas Exchange in Obstructive Lung Disease (3/93)	240
1761	Hnatiuk, Oleh MAJ MC. Adherence to Established Guidelines for Preoperative Pulmonary Function Testing (7/93)	241
1762	Torrington, Kenneth LTC MC. Determination of Bronchoalveolar Lavage Volume Required for Diagnosis of Pneumocystis Carinii Pneumonia in Immunocompromised Patients (9/93)	242
1763	Doyle, James CPT MC. Airway Hyperreactivity in Rheumatoid Arthritis (9/93)	243
1764	Argyros, Gregory MAJ MC. Eucapnic Voluntary Hyperventilation (EVH) as a Bronchoprovocation Technique: An Analysis of the Late Phase Response After EVH in Asthmatics (9/93)	244
9280	Derderian, Sarkis LTC MC. Sleep and Respiratory Control in Kyphoscoliosis (2/90)	245
	MENT OF MEDICINE umatology Service	
3704	Klipple, Gary COL MC. Iontophoresis Therapy for Rheumatoid Arthritis (4/89)	246
3705	Klipple, Gary COL MC. Iontophoresis Therapy for Osteoarthritis (4/89)	247
3706	Klipple, Gary COL MC. Iontophoresis Therapy for Bursitis and Tendinitis $(4/89)$	248
3707	Hartman, Kip MAJ MC. A Study of Autoantibiodies to Neutrophil Integrin Proteins in Patients with Rheumatoid Arthritis (8/90)	249
3710	Dennis, Greg LTC MC. Effects of Anti-IgD-dextran Conjugates on Human B Lymphocyte Antibody Production (11/91)	250

 $[\]star$ Reference is to page number(s) in Volume II.

PROTOCO NUMBER	L PRINCIPAL INVESTIGATOR, TITLE, AND APPROVAL DATE	PAGE* (VOL II)
	ENT OF MEDICINE matology Service (continued)	
3711	Tsokos, George MAJ MC. Lymphocyte Abnormalities in Patients with Systemic Lupus Erythematosus (10/91)	251
3712	Tsokos, George MAJ MC. Autoreactive T Lymphocytes in the Pathogenesis of Systemic Sclerosis (5/92)	252
3713	Tesar, Joseph MD DAC. Antiphospholipid Antibody Syndrome (APAS): Role of Antiphospholipid Antibodies (APLA) and B2-glycoprotein (gp)-I in the Clinical Manifestations of APAS (5/92)	253
3716	Dennis, Gregory LTC MC. A Prospective Evaluation of Indeterminate Western Blot Patterns in Patients with Autoimmune Disorders (6/93)	254
3717	Tesar, Joseph MD. Plasma Endothelin-1 Levels After Cold Provocation in Hypothyroidism (8/93)	255
NEUROLO	GY SERVICE	
7136	Salazar, Andres COL MC. An Investigation of Frontal Lobe Mediated Knowledge Representation (2/88)	256
7141	Salazar, Andres COL MC. Recombinant Beta Interferon as Treatment for Multiple Sclerosis: A Multicenter Protocol (2/89)	257
7142	Salazar, Andres COL MC. Intramuscular Poly-ICLC and CCNU in the Management of Malignant Gliomas: An Open Trial (3/89)	258
7144	Salazar, Andres COL MC. A Controlled Efficacy Study of a Brief Multidisciplinary Brain Injury Rehabilitation Program in Moderately Head Injured Service Members (7/90)	259
7146	Jabbari, Bahman COL MC. Investigation of Cardiac and Cerebrovascular Effects of the Diving Reflex (12/90)	260
7147	Jabbari, Bahman COL MC. Investigation of the Localizing Value of Clinical Signs Observed During Epileptic Seizures (4/91)	261

^{*} Reference is to page number(s) in Volume II.

PROTOCO NUMBER	DL PRINCIPAL INVESTIGATOR, TITLE, AND APPROVAL DATE	PAGE* (VOL II)
NEUROLO	OGY SERVICE (continued)	
7148	Rosenberg, Michael Col MC. Computer Modelling of Pupillary Light Reflexes (11/91)	262
7149	Jabbari, Bahman COL MC. Investigation of the Yield of Magnetic Motor Evoked Potentials in Neurosurgical Disorders: Spinal Cord and Posterior Fossa Lesions and Hydrocephalus (7/92)	263
7150	Jabbari, Bahman COL MC. Investigation of the Effectiveness of Botulinum Toxin-A Against Increased Muscle Tone (9/92)	264
7151	Kobylarz, Erik MAJ MC. Retinal Modulation of Pupil Size (3/93)	265
7152	Kobylarz, Erik CPT MC. The Role of GABA in the Control of Ventilation in the Cirrhotic Rat Model (3/93)	266
7153	Sinoff, Stuart MAJ MC. Extraocular Muscle Balance in Carnio-Cervical Dystonia and Normal Subjects (3/93)	267
7154	Salazar, Andres COL MC. Defense and Veterans Head Injury Program (DVHIP): WRAMC Core Evaluation Protocol (8/93)	268
7155	Maldonado, Janice CPT MC. Investigation of the Effect of Solitary Brain Stem Lesion on Sleep Architecture (8/93)	269
DEPARTM	ENT OF NURSING	
7521	Rich, Irene LTC AN. Pregnancy Attitudes, Ambivalence and Symptom Distress (12/90)	270
7525	Gurney, Cynthia LTC AN. Determinants of Effective Coping and Adaptation Among Army Medical Department Soliders During Operation Desert Storm (4/91)	271
7526	Petrov, Jean RN MS. The Effect of a Self Learning Module for Cancer Pain Management on Nurses' Knowledge, Interventions, and Pain Relief for Cancer Patients (7/91)	272
7527	Shotkin, Jane RN. Use of an Indwelling Peripheral Catheter for 3-5 Days Sequential Chemotherapy Doses in the Outpatient Setting $(1/92)$	273

 $[\]boldsymbol{\star}$ Reference is to page number(s) in Volume II.

PROTOCO	L	PAGE*
NUMBER		(VOL II)
DEPARTM	MENT OF NURSING (continued)	
7529	Jones, Kathleen RN MS. The Oncology Patient's Experience in Making a Treatment Decision (12/92)	274
7532	Rich, Irene LTC AN. Psychology of Pregnancy: Peace and War-Time (8/93)	275
7533	Sarnecky, Mary COL AN. A History of the Army Nurse Corps (8/93)	276
7534	Gurney, Cynthia LTC AN. Quality of Life in Soldiers with HIV Infection $(9/93)$	277
8302	DeCesare, Elaine LTC AN. Army Women's Breast Cancer Risk (8/93)	278
NUTRITI	ON CARE DIRECTORATE	
9305	Smith, Sandra RD CNSD. Evaluation of Nutritional Needs Based on Non-Protein Calories Versus Total Calories in Total Parenteral Nutrition (TPN) (6/93)	279
DEPARTM	ENT OF OBSTETRICS AND GYNECOLOGY	
4304	Farley, John CPT, MC. Evaluation of Inflammatory Pap Smears $(1/92)$	280
4307	Teneriello, Michael LCDR MC. The Role of the P53 and Rasw Oncogenes in the Development of Malignant and Premalignant Lesions of the Female Genital Tract (5/92)	281
DEPARTMENT OF OBSTETRICS AND GYNECOLOGY Gynecologic Oncology Group		
4113	Mayer, Allan COL MC. Cooperative Gynecologic Oncology Group $(1/74)$	282
4163	Mayer, Allan COL MC. GOG 26C: A Phase II Trial of Cis-platinum in the Treatment of Advanced Gyn Cancer (3/79)	283
4187	Mayer, Allan COL MC. GOG 26N: A Phase II Trial of Dihydroxyanthracenedione (DHAD) in Patients with Advanced Pelvic Malignancies (4/81)	284

^{*} Reference is to page number(s) in Volume II.

PROTOCO NUMBER		PAGE* (VOL II)
	ENT OF OBSTETRICS AND GYNECOLOGY cologic Oncology Group (continued)	
4203	Mayer, Allan LTC(P) MC. GOG 26Q: A Phase II Trial of Aminothiadiazole in Patients with Advanced Pelvic Malignancies (1/83)	285
4212	Mayer, Allan COL MC. GOG 72: Ovarian Tumors of Low Malignant Potential: A Study of the Natural History and a Phase II Trial of Melphalan and Secondary Treatment with Cisplatin in Patients with Progressive Disease (5/84)	286
4225	Mayer, Allan COL MC. GOG 71: Treatment of Patients with Suboptimal (Bulky) Stage IB Carcinoma of the Cervix: A Randomized Comparison of Radiation Therapy Vs. Radiation Therapy plus Adjuvant Extrafascial Hysterectomy, Phase III (7/85)	287
4229	Mayer, Allan COL MC. GOG 86A: Master Protocol for Phase II Drug Studies in Treatment of Advanced or Recurrent Carcinoma of the Endometrium (4/86)	288
4231	Mayer, Allan COL MC. GOG 87A: Master Protocol for Phase II Drug Studies in the Treatment of Recurrent or Advanced Uterine Sarcomas (5/86)	289
4232	Mayer, Allan COL MC. GOG 87B: A Phase II Trial of Ifosfamide and the Uroprotector, Mesna, in the Treatment of Recurrent or Advanced Uterine Sarcomas (5/86)	290
4234	Mayer, Allan COL MC. GOG 26U: A Phase II Trial of Ifosfamide and the Uroprotector, Mesna, in Patients with Advanced Pelvic Malignancies (8/86)	291
4244	Mayer, Allan COL MC. GOG 90: Evaluation of Cisplatin, Etoposide and Bleomycin (BEP) Induction Followed by Vincristine, Dactinomycin and Cyclophosphamide (VAC) Consolidation in Advanced Ovarian Germ Cell Tumors, Phase II (3/87)	292
4247	Mayer, Allan COL MC. GOG 95: Randomized Clinical Trial for the Treatment of Women with Selected Stage IC and II (A,B,C) and Selected Stage IAi and IBi and IAii and IBii Ovarian Cancer, Phase III (5/87)	293

^{*} Reference is to page number(s) in Volume II.

PROTOCO NUMBER	The state of the s	PAGE* (VOL II)
	ENT OF OBSTETRICS AND GYNECOLOGY cologic Oncology Group (continued)	
4254	Mayer, Allan COL MC. GOG 93: Evaluation of Intraperitoneal Chromic Phosphate Suspension Therapy Following Negative Second-Look Laparotomy for Epithelial Ovarian Carcinoma, Stage III, Phase III (7/87)	294
4255	Mayer, Allan COL MC. GOG 78: Evaluation of Adjuvant Vinblastine, Bleomycin and Cisplatin Therapy in Totally Reducing Choriocarcinoma, Endodermal Sinus Tumor or Embryonal Carcinoma of the Ovary, Pure and Mixed with Other Elements, Phase II (9/87)	295
4257	Mayer, Allan COL MC. GOG 99: A Phase III Randomized Study of Adjunctive Radiation Therapy in Intermediate Risk Endometrial Adenocarcinoma (10/87)	
4262	Mayer, Allan COL MC. A Multicenter Randomized Trial of Adjuvant Cisplatin/Bleomycin Plus Whole Pelvis Irradiation Vs. Cisplatin/Bleomycin Alone in High Risk Stage IB and IIA Carcinoma of the Cervix (5/88)	297
4263	Mayer, Allan COL MC. GOG 26X: A Phase II Trial of Gallium Nitrate in Patients with Advanced Pelvic Malignancies (6/88)	298
4265	Mayer, Allan COL MC. GOG 102 A (Master Protocol): Intraperitoneal Administration of Cisplatin and 5-FU in Residual Ovarian Carcinoma, Phase II (6/88)	299
4266	Mayer, Allan COL MC. GOG 76A: Master Protocol for Phase II Drug Studies in the Treatment of Advanced or Recurrent Squamous Cell Carcinoma of the Cervix. (7/88)	300
4268	Mayer, Allan COL MC. GOG 26DD: A Phase II Trial of Amonafide in Patients with Advanced Pelvic Malignancies (11/88)	301
4274	Mayer, Allan COL MC. GOG 104: Intraperitoneal Cisplatinum/Intravenous Cyclophosphamide Vs. Intravenous Cisplatinum/Intravenous Cyclophosphamide in Patients with Nonmeasurable Disease Stage III Ovarian Cancer, Phase III (1/89)	302

^{*} Reference is to page number(s) in Volume II.

PROTOCO NUMBER		PAGE* (VOL II)
	MENT OF OBSTETRICS AND GYNECOLOGY ecologic Oncology Group (continued)	
4277	Mayer, Allan COL MC. GOG 108: Ifosfamide and the Uroprotector, Mesna, with or without Cisplatin in Patients with Advanced or Recurrent Mixed Mesodermal Tumors of the Uterus, Phase III (5/89)	303
4281	Mayer, Allan COL MC. GOG 8801 A Phase I Evaluation of Multiple Daily Fraction Radiation and Hydroxyurea in Patients with Stage IIB, III and IVA Carcinoma of the Cervix with Negative Para-aortic Nodes (1/90)	304
4282	Mayer, Allan COL MC. GOG 8901 A Phase I Evaluation of Multiple Daily Fraction Radiation and 5FU Plus Cisplatin in Stage IIB, III and IVA Carcinoma of the Cervix with Negative Para-aortic Nodes (1/90)	305
4291	Mayer, Allan COL MC. GOG 26GG A Phase II Trial of Fazarabine in Patients with Advanced or Recurrent Pelvic Malignancies (5/90)	306
4294	Mayer, Allan COL MC. GOG 8803 Flow Cytometrically Determined Tumor DNA Content in Advanced Epithelial Ovarian Cancer (6/90)	307
4295	Mayer, Allan COL MC. GOG 8809 Flow Cytometrically Determined Tumor DNA Content in Ovarian Tumors of Low Malignant Potential (6/90)	308
4296	Mayer, Allan COL MC. GOG 8810 Flow Cytometrically Determined DNA Content in Endometrial Carcinoma (6/90)	309
4298	Mayer, Allan COL MC. GOG 111 A Phase III Randomized Study of Cyclophosphamide and Cisplatin Vs. Taxol and Cisplatin in Patients with Suboptimal Stage III and Stage IV Epithelial Ovarian Carcinoma (6/90)	310
4302	Mayer, Allan COL MC. GOG 8906 Extended Radiation Therapy With Concomitant 5-FU Infusion and Cisplatin Chemotherapy in Patients with Cervical Carcinoma Metastatic to Para-Aortic Lymph Nodes (10/91)	311

^{*} Reference is to page number(s) in Volume II.

PROTOCO NUMBER		PAGE* (VOL II)
	MENT OF OBSTETRICS AND GYNECOLOGY ecologic Oncology Group (continued)	
4303	Mayer, Allan COL MC. GOG 26-11 Phase II Trial of 5-Fluorouracil and High Dose Leucovorin in Advanced or Recurrent Pelvic Malignancies (11/91)	312
4305	Mayer, Allan COL MC. GOG 101 A Phase II Evaluation of Preoperative Chemoradiation for Advanced Vulvar Cancer (3/92)	313
4306	Mayer, Allan COL MC. GOG 132 A Phase III Randomized Study of Cisplatin Versus Taxol Versus Taxol and Cisplantin in Patients with Suboptimal Stage III and Stage IV Epithelial Ovarian Carcinoma (4/92)	314
4308	Mayer, Allan COL MC. GOG 125: Extended Field Radiation Therapy with Concomitants 5-FU Infusion and Cisplatin Chemotherapy in Patients with Cervical Carcinoma Metastatic to Para-Aortic Lymph Nodes (5/92)	315
4309	Mayer, Allan COL MC. GOG 102: A Randomized Comparison of hydroxyurea vs. Hydroxyurea, 5-FU Infusion and Cisplatin vs. Weekly Cisplatin as Adjunct to Radiation Therapy in Patients with Stages II-B, III, or IV-A Carcinoma of the Cervix and Negative Para-Aortic Nodes (6/92)	316
4310	Mayer, Allan COL MC. GOG: 136 Acquisition of Human Ovarian and Other Tissue Specimens and Serum to be Used in Studying the Causes, Diagnosis, Prevention and Treatment of Cancer (8/92)	317
4311	Mayer, Allan COL MC. GOG 134: A Phase III Trial of Taxol at Thrfee Dose Levels and G-CSFF at Two Dose Levels in Platinyum-Resistant Ovarian Carcinoma (9/92)	318
4312	Mayer, Allan COL MC. GOG 122: Whole Abdominal Radiotherapy versus Combination Doxorubicin-Cisplatin Chemotherapy in Advanced Endometrial Carcinoma (10/92)	319
4313	Mayer, Allan COL MC. GOG 114: A Phase III Randomized Study of Intravenous Cisplatin and Cyclophosphamide Versus Intravenous Cisplatin and Taxol Versus High Dose Intravenous Carboplatin Followed by Intravenous Taxol and Intraperitoneal Cisplatin in Patients with Optimal (11/92)	320

 $[\]star$ Reference is to page number(s) in Volume II.

PROTOCO NUMBER		PAGE* (VOL II)
	MENT OF OBSTETRICS AND GYNECOLOGY ecologic Oncology Group (continued)	
4314	Mayer, Allan COL MC. GOG 127B: Evaluation of Isotretinoin and Alpha Interferon in Advanced or Recurrent Squamous Cell Carcinoma of the Cervix (3/93)	321
DEPARTM	ENT OF PATHOLOGY AND AREA LABORATORIES	
4816	Salata, Kalman PhD. The Effect of Irradiation on Red Blood Cell Antigen Densities: A Flow Cytometric Analysis (9/93)	322
DEPARTM	ENT OF PEDIATRICS	
6064	Francis, Gary LTC MC. The Effect of Somatomedin C on Androgen Receptor and 5-a-reductase Activities in a Hormonally Responsive Tissue, the Penile Foreskin (8/89)	323
6256	Francis, Gary LTC MC. The In Vitro Effect of Tumor Necrosis Factor on the Function of the Pituitary Gonadotrophs of the Rat $(1/90)$	324
6257	Francis, Gary LTC MC. The In Vitro Effect of Tumor Necrosis Factor on the Function of the Gonadal Axis of the Rat $(1/90)$	325
6266	Edwards, E. Glenn MAJ MC. High Dose Chemotherapy with Autologous Bone Marrow Rescue in Children with Recurrent or Progressive Solid Tumors or Primary CNS Malignancies, Phase II (4/90)	326
6267	Maybee, David COL MC. The Value of Sequential C-Reactive Protein Levels in Sickle Cell Anemia Patients Presenting with Symptoms of Crisis or Infection (4/90)	327
6275	Weisman, Leonard COL MC. Modified Immune Serum Globulin in Neonates (1990) (10/90)	328
6290	Moores, Russell MAJ MC. Utilization of Foot Length as an Estimation of Gestational Age in the Neonate (6/91)	329
6299	Pierce, John COL MC. The Neonatal Rat Pup as a Model for Staphylococcus Epidermidis Sepsis in the Newborn: The Effects of a Lipid Emulsion on Survival and Neutrophil Function (9/91)	330

^{*} Reference is to page number(s) in Volume II.

PROTOCO		PAGE*
NUMBER	PRINCIPAL INVESTIGATOR, TITLE, AND APPROVAL DATE	(VOL II)
DEPARTM	ENT OF PEDIATRICS (continued)	
6300	Moores, Russell MAJ MC. The Use of Surfactant Therapy During the Early Management of the Meconium Aspiration Symbdrome in a Piglet Model Ventilated with Either High Frequency or Conventional Mechanical Ventilation (10/91)	331
6301	Edwards, E. Glenn MAJ MC. High Dose Chemotherapy with Autologus Bone Marrow Support Using Ex-Vivo Marrow Treatment with 4-Hydroxyperoxycyclophosphamide (4-HC) for Relapsed Acute Myelogenous Leukemia (10/91)	332
6308	Francis, Gary L. LTC MC. The In Vitro Effect of Cytokines on Placental Steroidogenesis $(1/92)$	333
6313	Francis, Gary LTC MC. Soluble Interleukin-2 Receptor (sIL2R) Levels in New Onset Insulin Dependent Diabetes Mellitus During Biostator Therapy (3/92)	334
6321	Poth, Merrily MD. The Effects of Sex Steroids and Vitamin E on Lipid Peroxidation in the Diabetic Rat Model $(5/92)$	335
6324	Pineiro, Victor MAJ, MC. Electrogastrogram and Gastric Emptying in Infants with Hypertrophic Pyloric Stenosis and Gastroesophageal Reflux (5/92)	336
6326	Robinson, C. Anita MD. The Status of Adolescent Medicine in the Military Health Service System $(6/92)$	337
6327	Poth, Merrily MD. Effect of Somatostatin on Glomerular PGE2 Production in the Diabetic Rat (6/92)	338
6330	Miller, James LCDR MC. Infrared Thermometry in the Evaluation of Localized Infection (6/92)	339
6331	Moores, Russell MAJ MC. In Vivo Dating of the Time Interval from the Initial Presence of Meconium to Birth (7/92)	340
6332	Darling, Bryan LT MC USNR. The Effect of Profound Hypoglycemia on the Release of Excitatory Amino Acids in the Central Nervous System of the Developing Pig (7/92)	341
6336	Moores, Russell MAJ MC. The Use of Saline Lavage and Surfactant Therapy for the Management of the Meconium Aspiration Syndrome in Newborn Piglets - A Model for Intrapartum Management (8/92)	342

^{*} Reference is to page number(s) in Volume II.

PROTOCO NUMBER	DL PRINCIPAL INVESTIGATOR, TITLE, AND APPROVAL DATE	PAGE* (VOL II)
DEPARTM	MENT OF PEDIATRICS (continued)	
6337	Poth, Merrily MD. Oxandrolone to Increase Growth in Turners Syndrome Patients: Treatment Protocol (8/92)	343
6340	Degnan, Bernie CPT MC. The Incidence of Celiac Disease in North American Children with Short Stature (10/92)	344
6341	Latimer, John COL MC USAF. Interferon-alfa2a Therapy of Children with Chronic Hepatitis B Infection (10/92)	345
6342	Moores, Russell Jr MAJ MC. The Developmental Regulation of Serine Oxidation in the Fetal Hindlimb $(11/92)$	346
6344	Raszka, William MAJ MC. Solid Media Determination of MICs of Clinical Isolates of Mycobacterium Avium Complex to Trimethoprim, Sulfamethoxazole, and Sulfisoxazole (12/92)	347
6345	Ashton, W. Scott CPT MC. The Evaluation of a Common Household Foodstuff in the Treatment of Nausea and Vomiting in Pregnant Women (12/92)	348
6350	Raszka, William MAJ MC. Comparison of the In Vitro Susceptibility of Clinical Isolates of Non-Tuberculous Mycobacteria in HIV Infected and non-HIV Infected Patients (3/93)	349
6358	Hinson, Roger CPT MC. Evaluation of the Mechanism of Inhibition of Interleukin-6 Synthesis by Indomethacin (9/93)	350
6359	Robinson, C. Anita MD. Risk and Prevalence of Hepatitis B in Adolescents (9/93)	351
DEPARTMENT OF PEDIATRICS Pediatric Hematology-Oncology Service		
6121	Maybee, David COL MC. POG 7799 Rare Tumor Registry (1/80)	352
6144	Maybee, David COL MC. POG 8158 NWTS Long Term Follow-up Study (1/82)	353
6177	Maybee, David COL MC. POG 8602 Evaluation of Treatment Regimens in Acute Lymphoid Leukemia of Childhood (ALinCl4), A POG Phase III Study (5/86)	354

^{*} Reference is to page number(s) in Volume II.

PROTOCO NUMBER		PAGE* (VOL II)
	MENT OF PEDIATRICS Latric Hematology-Oncology Service (continued)	
6181	Maybee, David COL MC. POG 8625/8626 Combined Therapy and Restaging in the Treatment of Stages I, IIA, IIIAl Hodgkin's Disease in Pediatric Patients, A Phase II Study (6/86)	355
6188	Maybee, David COL MC. POG 8650 National Wilm's Tumor Study - 4; A POG Phase III Study (10/86)	356
6192	Maybee, David COL MC. POG 8651 Osteosarcoma Study 2: A Randomized Trial of Pre-Surgical Chemotherapy Vs. Immediate Surgery and Adjuvant Chemotherapy in the Treatment of Non-Metastatic Osteosarcoma, A POG Phase III Study (1/87)	357
6193	Maybee, David COL MC. POG 8615 A Phase III Study of Large Cell Lymphomas in Children and Adolescents, A Comparison of Two Treatment Regimens, ACOP+ Vs. APO (2/87)	358
6195	Maybee, David COL MC. POG 8633/8634 The Treatment of Children Less Than Three Years of Age with Malignant Brain Tumors Using Postoperative Chemotherapy and Delayed Irradiation, A POG Phase II Study (4/87)	359
6199	Maybee, David COL MC. POG 8704: T-Cell #3 Protocol, A POG Phase III Study (6/87)	360
6204	Maybee, David COL MC. POG 8751: Low Dose Methotrexate in the Treatment of Rhabdomyosarcoma, A POG Phase II Study (7/87)	361
6210	Maybee, David COL MC. POG 8761: A Phase II Study of Homoharringtonine for the Treatment of Children with Refractory Nonlymphoblastic Leukemia (9/87)	362
6213	Maybee, David COL MC. POG 8823/24: Recombinant Alpha Interferon in Childhood Chronic Myelogenous Leukemia, Phase II (12/87)	363
6217	Maybee, David COL MC. POG 8725: Randomized Study of Intensive Chemotherapy (MOPP/ABVD Plus/Minus Low Dose Total Nodal Radiation Therapy in the Treatment of Stages IIB, IIIA2, IIIB, IV Hodgkin's Disease in Pediataric Patients, Phase III (5/88)	364

^{*} Reference is to page number(s) in Volume II.

PROTOCOL NUMBER PRINCIPAL INVESTIGATOR, TITLE, AND APPROVAL DATE	PAGE* (VOL II)
DEPARTMENT OF PEDIATRICS Pediatric Hematology-Oncology Service (continued)	
Maybee, David COL MC. POG 8821: Intensive Multiagent Therapy Vs. Autologous Bone Marrow Transplant Early in First CR for Children with Acute Myelocytic Leukemia - A Phase III Study (9/88)	365
Maybee, David COL MC. POG 8862: Treatment of First Marrow and/or Extramedullary Relapse of Childhood Acute T-Lymphoblastic Leukemia and T-Non-Hodgkin's Lymphoma with Combination Chemotherapy Including 2'-Deoxycoformycin (1/89)	366
Maybee, David COL MC. POG 8850: Evaluation of Vincristine, Adriamycin, Cyclophosphamide and Dactinomycin with or without the Addition of Ifosfamide and Etoposide in the Rx of Patients with Newly Diagnosed Ewing's Sarcoma of Primitive Neuroectodermal Tumor or Bone, Phase III (1/89)	367
Maybee, David COL MC. POG 8820 VP-16, AMS, and 5-Azacytidine in Refractory ANLL, Phase II-III Study (2/89)	368
Maybee, David COL MC. POG 8829 A Protocol for a Case Control Study of Hodgkin's Disease in Childhood (4/89)	369
Maybee, David COL MC. POG 8828 Late Effects of Treatment of Hodgkin's Disease: A POG Nontherapeutic Study (5/89)	370
Maybee, David COL MC. POG 8935 A Study of Biological Behavior of Optic Pathway Tumors (7/89)	371
Maybee, David COL MC. POG 8936 Carboplatin in Progressive Optic Pathway Tumors: Phase II (7/89)	372
Maybee, David COL MC. POG 8945: An Intergroup Protocol for the Treatment of Hepatoblastoma and Hepatocellular Carcinoma, Phase III (10/89)	373
Maybee, David COL MC. POG 8930 Comprehensive Genetic Analysis of Brain Tumors (12/89)	374
Maybee, David COL MC. POG 9046 A Molecular Genetic Analysis of Wilms' Tumors and Nephrogenic Rests (2/90)	375

^{*} Reference is to page number(s) in Volume II.

PROTOCO NUMBER	THE PARTY AND ADDROUGH DAME	PAGE* (VOL II)
	ENT OF PEDIATRICS atric Hematology-Oncology Service (continued)	
6261	Maybee, David COL MC. POG 9047 Neuroblastoma Biology Protocol (2/90)	376
6263	Maybee, David COL MC. POG 9049 A Study of High Risk Malignant Germ Cell Tumors in Children: A Phase III Treatment Study (3/90)	377
6265	Maybee, David COL MC. POG 9082 Development of Intervention Strategies to Reduce the Time between Symptom Onset and Diagnosis of Childhood Cancer (4/90)	378
6270	Maybee, David COL MC. POG 9048 The Treatment of Children with Localized Germ Cell Tumors, Phase II (6/90)	379
6271	Maybee, David COL MC. POG 9061 The Treatment of Isolated Central Nervous System Leukemia (6/90)	380
6272	Maybee, David COL MC. POG 9031 The Treatment of Children with High Stage Medulloblastoma: Cisplatin/VP-16 Pre Vs. Post Irradiation, Phase III (7/90)	381
6278	Maybee, David COL MC. POG 9000 Acute Lymphocytic Leukemia in Childhood #15 Classification Protocol: A Non-therapeutic Study (12/90)	382
6279	Maybee, David COL MC. POG 9005 Dose Intensification of Methotrexate and 6-Mercaptopurine for ALL in Childhood, Phase III (12/90)	383
6280	Maybee, David COL MC. POG 9006: Acute Lymphocytic Leukemia in Children Study #15: Up Front Alternating 6-MP and Methotrexate Vs. Up Front Alternating Chemotherapy (12/90)	384
6281	Maybee, David COL MC. POG 9140 Treatment for Recurrent or Refractory Neuroblastoma $(1/91)$	385
6285	Maybee, David COL MC. POG 9107 The Treatment of Acute Lymphocytic Leukemia in Infants: Phase III (3/91)	386
6287	Maybee, David COL MC. NPC-1: A Phase II Study of Pre-Irradiation Chemotherapy for Pediaric and Adolescent Patients with Nasopharyngeal Carcinoma (4/91)	387

^{*} Reference is to page number(s) in Volume II.

PROTOCOL NUMBER PRINCIPAL INVESTIGATOR, TITLE, AND APPROVAL DATE	PAGE* (VOL II)	
DEPARTMENT OF PEDIATRICS Pediatric Hematology-Oncology Service (continued)		
6292 Maybee, David COL MC. POG 9135: Pre-Radiation Chemotherape for Children with Supratentorial Malignant Gliomas and Poor Differentiated Embryonal Tumors of Childhood (7/91)	y 388 Ly	
6293 Maybee, David COL MC. POG 9136: Phase I/II Dose Escalating Trial of Hyperfractionated Irradiation in the Treatment of Supratentorial Malignant Tumors of Childhood (7/91)	g 389	
Maybee, David COL MC. POG: 9170: Etoposide and Ifosfamide Plus G-CSF in Children with Recurrent Sarcomas: Including Soft Tissue Sarcoma, Ewing's Sarcoma, Rhabdomyosarcoma, and Osteosarcoma: A Pediatric Oncology Group Pilot Study (7/91)	390	
Maybee, David COL MC. POG 9150 Intergroup Rhabdomyosarcoma Study IV: STAGE I Disease: A POG Phase III Study (8/91)	391	
Maybee, David COL MC. POG 9152: Intergroup Rhabdomyosarcon Study IV: Stage IV, Clinical Group IV, and All Patients wit Metastatic Disease: A POG Phase III Study (8/91)	na 392 :h	
Maybee, David COL MC. POG: 9151 Intergroup Rhabdomyosarcoma Study IV: Treatment for Stage 2 and 3 Diseases: A Phase II Trial (11/91)	393 I	
Maybee, David COL MC. POG 9160: Idarubicin Cytosine Arabinoside, for Multiply Recurrent or Refractory ALL: A PO Phase II Study (11/91)	394 G	
Maybee, David COL MC. POG 9130: Treatment of Newly Diagnosed Astrocytomas A Pediatric Oncology Group Phase III Study (1/92)	395	
Maybee, David COL MC. POG 9132: Hyperfractionated Irradiation for Posterior Fossa Ependymoma: A Phase II/III Study (1/92)	396	
Maybee, David COL MC. POG 9259: Carboplatin in the Treatment of Newly Diagnosed Metastatic Osteosarcocma or Unresectble Osteosarcoma: A Phase III Study (1/92)	397	

 $[\]star$ Reference is to page number(s) in Volume II.

PROTOCO NUMBER	AND ADDOUAL DAME	PAGE* (VOL II)
	ENT OF PEDIATRICS atric Hematology-Oncology Service (continued)	
6311	Maybee, David COL MC. POG 9182: HIV/Malignancy Biology Study: A Pediatric Oncology Group Aids/Malignancy Network Study (1/92)	398
6314	Maybee, David COL MC. POG 9284/85: Barriers to Enrollment on POG Frontline Therapeutic Clinical Trials and Development of Intervention Strategies: A POG Non-therapeutic Study (3/92)	399
6315	Maybee, David COL MC. POG 9280: Neuroblastoma Epidemiology Protocol: A Non-Therapeutic Study (3/92)	400
6316	Maybee, David COL MC. POG 9225: Study for Advanced Stage Hodgkin's Disease: A Phase II Study (3/92)	401
6317	Mosijczuk, Askold COL MC. Salvage Therapy for Recurrent Medulloblastoma, Ependymoma, Cerebral Pnet, and Cerebral Low Grade Astrocytoma (3/92)	402
6318	Maybee, David COL MC. POG 9264: Chemotherapy Regimen for Initial Induction Failures in Childhood ALL: A Phase II Study (4/92)	403
6319	Maybee, David COL MC. POG 9243: Treatment for Children with Intermediate-Risk Neuroblastoma: A Phase III Study (4/92)	404
6322	Maybee, David A COL MC. POG 9222: Mitoxantrone, Etoposide and Cyclosporine Therapy in Pediatric Patients with Relapsed or Refractory Acute Myeloid Leukemia: A Phase II Study (5/92)	405
6323	Maybee, David A COL MC. POG 9233/34: A Phase III Randomized Trial of Standard vs. Dose-Intensified Chemotherapy <3 Years of Age with a CNS Malignancy Treated With or Without Radiation Therapy (5/92)	406
6328	Maybee, David COL MC. POG 9239: Treatment of Children with Newly Diagnosed Brainstem Glioma Using Cisplatin as a Radiosensitizer with Either Conventional or Hyperfractionated Radiotherapy: A Pediatric Oncology Group Phase III Study (6/92)	407

 $[\]boldsymbol{*}$ Reference is to page number(s) in Volume II.

PROTOCO NUMBER	PRINCIPAL INVESTIGATOR, TITLE, AND APPROVAL DATE	PAGE* (VOL II)
	ENT OF PEDIATRICS atric Hematology-Oncology Service (continued)	
6329	Maybee, David COL MC. POG 9296: T-Cell Leukemia Pilot Study #4 (with IV MTX/IV6-MP) A Pediatric Oncology Group Limited Institution Pilot Study (Phase III) (6/92)	408
6333	Maybee, David COL MC. POG 9237: Idarubicin in Recurrent and Progressive Childhood Brain Tumor Patients: A Pediatric Oncology Group Phase II Study (6/92)	409
6334	Maybee, David COL MC. POG 9265: Evaluation of 13 Cis-Retinoic Acid in Children with Juvenile Chronic Myelogenous Leukemia: A Phase II Study (7/92)	410
6338	Maybee, David COL MC. POG 9219: The Treatment of localized Non-Hodgkin's Lymphoma in Children: A POG Phase IV Study (9/92)	411
6339	Maybee, David COL MC. POG 9227: Treatment of Recurrent or Refracttory Hodgkin's Disease with Cyclosporine-A, Actinomycin-D, and Vincristine: A POG Phase II Study (9/92)	412
6343	Maybee, David COL MC. POG 9220: Treatment for Previously Untreated Acute Promyelocytic Leukemia: A Phase III Intergroup Study (11/92)	413
6347	Maybee, David COL MC. POG 9262: The Treatment of Children with Recurrent/Refractory Solid Malignancies with Taxol: A Phase II Study (1/93)	414
6348	Maybee, David COL MC. POG 9244: Treatment for Children with Newly Diagnosed Stages 2B and 3 Neuroblastoma Older than One Year of Age: A Phase II Pilot Study (2/93)	415
6349	Maybee, David COL MC. POG 9226: Treatment of Stage I, IIA and IIIAl Hodgkin's Disease with ABVE and Low Dose Irradiation (2/93)	416
6351	Maybee, David COL MC. POG 9317: Chemotherapy for Children with Advanced-Stage (III/IV) Diffuse Undifferentiated Burkitt's Lymphoma and B-Cell ALL: A Phase IIII Study (3/93)	417

^{*} Reference is to page number(s) in Volume II.

PROTOCO		PAGE*
NUMBER	PRINCIPAL INVESTIGATOR, TITLE, AND APPROVAL DATE	(VOL II)
DEPARTMENT OF PEDIATRICS Pediatric Hematology-Oncology Service (continued)		
6352	Maybee, David COL MC. POG 9340/41/42: Treatment of Patients One Year and Older at Diagnosis with Stages 2/B3 or 4 High-Risk Neuroblastoma: A Phase II Study (4/93)	418
6353	Maybee, David COL MC. POG 9310: SIMAL 7: Escalating Rotational Drug Therapy After 1st Marrow Relapse of Non-T, Non-B ALL: A Phase II Pilot Study (6/93)	419
6354	Maybee, David COL MC. POG 9357: The Use of Cyclosporfin A To Overcome Multiple Drug Resistance in Osteogenic Sarcoma: A POG Phase II Study (6/93)	420
6355	Maybee, David COL MC. POG 9330: Taxol in Progressive or Recurrent Childhood Brain Tumorsw: A Phase II Study (7/93)	421
6356	Maybee, David COL MC. POG 9345: Treatment of unresetable/Metastatic Hepatoblastoma with Chemotherapy and Surgery: A Phase II Study (7/93)	422
6357	Maybee, David COL MC. POG 9360: GM-CSF Randomization + High-Dose ICE in the Treatment of Recurrent/Resistant Malignant Solid Tumors of Childhood: Phase II Study (7/93)	423
PHARMA	CY SERVICE	
3600	Nelson, Bruce COL MS. Determination of Noncompliance in Prescription Pickup (10/89)	424
3604	Solimando, Dominic Jr MAJ MC. Pharmacodynamic Analysis of Morphine and Its Metabolites in the Treatment of Chronic Cancer Pain (10/92)	425
PHYSICAL MEDICINE AND REHABILITATION SERVICE		
9614	Dillingham, Timothy NAJ MC. A Descriptive Analysis of Patient Referrals to Army Physical Medicine Services During Armed Conflict (2/91)	426
9615	Dillingham, Timothy MAJ MC. An Analysis of the Extensor Digitorium Brevis Deep Tendon Reflex in Normals and in Patients with L5 Radicular Compression Syndromes (3/91)	427

 $[\]boldsymbol{\ast}$ Reference is to page number(s) in Volume II.

PROTOCO NUMBER	L PRINCIPAL INVESTIGATOR, TITLE, AND APPROVAL DATE	PAGE* (VOL II)
PHYSICA	L MEDICINE AND REHABILITATION SERVICE (continued)	
9616	Braverman, Steven CPT MC. Intern Perceptions of Physical Medicine and Rehabilitation (6/91)	428
9617	Dillingham, Timothy MAJ MC. Use of Topical Capsaicin in Myofascial Pain Syndromes and Primary Fibromyalgia Syndrome (3/92)	429
9620	Lauder, Tamara CPT MC. Radiculopathy Screen: Choosing the Most Sensitive Muscles (8/92)	430
9622	Dillingham, Timothy MAJ MC. A Description of Soldiers with Amputation: Implications for Return to Active Duty (12/92)	431
9623	Beattie, Bonita LTC SP. Descriptive Analysis of a Collaborative Practice Model Developed by the Physical Therapy and Occupational Therapy Sections at Walter Reed Army Medical Center in Response to Desert Shield/Storm Contingencies (5/93)	432
9624	Dillingham, Timothy MAJ MC. Motor Nerve Conduction in the Deep Temporal and Mylohyoid Nerves (8/93)	433
DEPARTM	ENT OF PSYCHIATRY	
7245	Hall, Donald CPT MC. Investigation of Ultradian Rhythms of Mood in Depression $(5/91)$	434
7246	Oleshansky, Marvin LTC MC. A Randomized Concentration-Controlled Trial of Fluoxetine in the Treatment of Major Despressive Disorder (8/91)	435
7248	Esposito, Maria COL MC. Psychiatric Diagnoses Included in Medical Discharge Summaries (4/92)	436
7249	Lande, Raymond LTC MC. The Art Therapy Assessment of a Criminally Insane Population (4/92)	437
7250	Brown, James CPT MC. Proto-oncogene Expression in Peripheral Blood Mononuclear Cells in Schizophrenia: A Pilot Study (4/92)	438

^{*} Reference is to page number(s) in Volume II.

PROTOCO NUMBER		PAGE* (VOL II)
DEPARTM	MENT OF PSYCHIATRY (continued)	
7251	Joslin, Scott CPT MC. An Outcome Study of Schizophreniform Disorder Diagnosed at Walter Reed Army Medical Center (9/92)	439
7252	Belliveau, Paul CPT MC. A Referral Coordinator: Implication with Compliance $(11/92)$	440
7253	Erbe, Edward CPT MC. Greater Referral Specificity and Its Effect on the Rate of Compliance (7/93)	441
7254	Stewart, Frances, CDR, MC. Effectiveness of Rapid Biofeedback-Assisted Relaxation Training (7/93)	442
7255	Wain, Harold Ph.D Differences in Hypnotic Capacity Between Patients Referred to a Psychiatric Consultation Liaison Service and Patients Referred to a Psychiatric Outpatient Clinic (8/93)	443
7256	Lande, R. Gregory LTC MC. The Association of Caffeine Blood Level With Diagnosis in an Outpatient Psychiatric Population $(9/93)$	444
9106	Jones, Franklin MD. Differences in Proportions of Diagnosis Between Ethnic Groups: The Case of Puerto Rican Psychiatric Patients in the Military (12/84)	445
DEPART	MENT OF RADIOLOGY	
4525	Anderson, Jay COL MC. Intravenous Administration of I-131-6-B Iodomethylnorcholesterol for Adrenal Evaluation and Imaging (11/80)	446
4539	Williams, Scott CPT MC. Evaluation of Breast Masses Using Technetium-99m-Sestamibi Scintigraphy (4/93)	447
4700	Earls, James CPT MC. CT Evaluation of Postoperatie Pneumoperitoneum $(4/92)$	448
4701	Earls, James CPT MC. CT Directed Needle Localization of Peripheral Pulmonary Nodules Prior to Thoracoscopic Resection (6/92)	449

 $[\]star$ Reference is to page number(s) in Volume II.

PROTOCO NUMBER		PAGE* (VOL II)
	MENT OF SURGERY sthesia-Operative Service	
2045A	Stamatos, John CPT MC. Multicenter Study of the Davol Intraspinal Port $(10/89)$	450
2051A	Guzzi, Louis MAJ MC. Perioperative Myocardial Ischemia or Infarction During and Following Noncardiac Surgery in Patients who have Undergone Previous Coronary Artery Bypass Graft or Percutaneous Transluminal Coronary Artery Surgery (4/90)	451
2054A	Carvill, Kathleen LTC NC. The Effect of theh Sprotte Atraumatic 24 Gauge Spinal Needle on the Incidence of Postdural Puncture Headache (1/91)	452
2056A	Kline, Mark MAJ MC. Development of Ultra Long Duration Local Anesthetic Agents in a Rat Model (10/91)	453
2058A	Stamatos, John CPT MC. The Effect of Anesthesia and Surgery on Patients with Mildly Elevated Liver Enzymes (10/91)	454
2061A	Kline, Mark CPT MC. Medtronic Model 3885 PISCES-Delta Lead for Spinal Cord Stimulation (1/92)	455
2063A	Karan, Steven MAJ MC. Normothermic vs. Hypothermic Cardiopulmonary Bypass: The Stress Response with Varying Sufentanil Doses (1/92)	456
2064A	Fontana, John CPT MC. A Study of the Effect of Acadesine on Adverse Cardiac Outcomes in Patients Undergoing Coronary Artery Bypass Graft (CABG) Surgery (2/92)	457
2065A	Bettencourt, Joseph MAJ MC. Intraoperative Utilization and Effect on Brain Relaxation $(3/92)$	458
2066A	Fontana, John CPT MC. Multicenter Study of Perioperative Ischemia Research Group - Cardiac Surgery Epidemiologic Database (McSPI-CSEDB) (5/92)	459
2067A	Matson, Michael LTC MC. Fiberoptically Assisted Intravenous Catheter Placement (6/92)	460

 $[\]boldsymbol{*}$ Reference is to page number(s) in Volume II.

PROTOCO	L	PAGE*
NUMBER	PRINCIPAL INVESTIGATOR, TITLE, AND APPROVAL DATE	(VOL II)
	ENT OF SURGERY thesia-Operative Service (continued)	
2069A	Karan, Steven MAJ MC. In Vitro Determination of the Response of Skeletal Muscle to Halothane, Caffeine, and Halothane plus Caffeine $(10/92)$	461
2070A	Guzzi, Louis MAJ MC. Efficacy of Ketoralac in Reducing the Symptoms of Post Dural Puncture (1/93)	462
2071A	Karan, Steven MAJ MC. A Comparison of Caudal vs Lumbar Epidural Steroid Injection with Local Anesthetic in the Treatment of Sciatica $(2/93)$	463
2072A	Greilich, Philip CPT MC. Assessment of the Mechanical and Structural Properties of Clots in Healthy Adults and Patients with Known Coronary Artery Disease Using Two Methods (4/93)	464
	ENT OF SURGERY Audiology and Speech Center	
2508	Grant, Kenneth PhD. Auditory Supplements to Speechreading $(11/90)$	465
2510	McClean, Michael PhD. Prediction of Stuttering Severity from Physiologic Measures of Speech Motor Systems $(1/91)$	466
2515	Leek, Marjorie Ph.D Frequency Resolution and the Detection of Spectral Contrast (10/91)	467
2516	Thompson, Patryce MA. Orofacial Force Control and Acoustics of Speech Production in Adult Dysarthria Patients (10/91)	468
2518	McClean, Michael PhD. Prespeech Modulation of Lip Muscle Reflexes in Stutterers and Nonstutterers (11/91)	469
2519	McClean, Michael Ph.D Computer Modeling and Analysis of Lip Muscle Activation for Speech (1/92)	470
2520	Surr, Rauna MS. Comparison of Linear and K-Amp Hearing Aid Fittings by Experienced Hearing Aid Users (5/92)	471
2521	Leek, Marjorie PhD. Spectral Contrast Perception and the Internal Signal-To-Noise Ration in Hearing-Impaired Listeners (5/92)	472

^{*} Reference is to page number(s) in Volume II.

PROTOCO NUMBER		PAGE* (VOL II)
	MENT OF SURGERY Audiology and Speech Center (continued)	
2524	Summers, Van Ph.D Discrimination of Frequency Transitions by Hearing-Impaired Listeners (11/92)	473
2525	Beamer, Sharon MA. A Comparison of the Benefit Derived from Two Classes of Hearing Aids in Patients with Hearing Loss Above 2000 Hz (12/92)	474
2527	Clay, John PhD. An Investigation of the Role of Hearing Loss in the Perception of a Stop Consonant (2/93)	475
2528	Grant, Kenneth PhD. Relations Among Auditory-Visual Sentence Benefit, Auditory Consonant Recognition, and Auditory-Visual Integration in Hearing-Impaired Listeners (6/93)	476
2530	McClean, Michael PhD. Serum and Urinary Ion Levels and Lip Muscle Reflex rexcitability in Adult Stutterers (6/93)	477
2531	Podraza, Bonnie PhD. The Effect of Closed-Head Injury on Auditory Information Processing (6/93)	478
2532	Leek, Marjorie PhD. Hearing Loss and the Preception of Complex Sounds (7/93)	479
2588	Leek, Marjorie PhD. Hearing Loss and the Perception of Complex Sounds (8/88)	480
2590	Leek, Marjorie PhD. Modeling Impaired Frequency Resolution in Normal Ears (1/89)	481
2591	Leek, Marjorie PhD. Nonlinear Cochlear Processing in Normal Hearing and Hearing Impaired Listeners (2/89)	482
2598	Leek, Marjorie PhD. Frequency Resolution on Hearing Impaired and Noise Masked Normal Hearing Listeners (2/90)	483
DEPARTMENT OF SURGERY Critical Care Medicine Service		
2060A	Stoltzfus, Daniel LTC MC. The Relationship Between Right Ventilator Volume by Thermodilation Catheter and Left Ventilator Volume by Transesophageal Echo-Cardiography (1/92)	484

^{*} Reference is to page number(s) in Volume II.

PROTOCOL	PAGE*
NUMBER PRINCIPAL INVESTIGATOR, TITLE, AND APPROVAL DATE	(VOL II)
DEPARTMENT OF SURGERY Critical Care Medicine Service (continued)	
3009 Whatmore, Douglas LTC MC. Effect of Empiric Low Dose Amphotericin B on the Development of Disseminated Candidiasis in a Surgical Intensive Care Unit (3/90)	485
Whatmore, Douglas LTC MC. Work of Breathing as a Predictor of Failure to Wean from Mechanical Ventilation in Patients with Severe Chronic Obstructive Pulmonary Disease (COPD) (1/92)	486
3014 Ries, Marianne CPT MC. The Effect of Leukocyte Filters on the Development of Extravascular Lung Water in Patients Undergoing Coronary Artery Bypass Grafting (CABG) (2/93)	487
DEPARTMENT OF SURGERY General Surgery Service	
2061 Hale, Douglas MAJ MC. Prevention of Unresectable Lung Cancer Found at Thoracotomy (5/93)	488
2062 Hale, Douglas MAJ, MC. Role of Intracellular Calcium in Bile Acid Induced Injury of Gastric Cells (6/93)	489
Hale, Douglas MAJ MC. Development of Autoradiographic Assay for Detection of Insulin-Like Growtth Factor 1 Receptors in Guinea Pig Mucosa (8/93)	490
DEPARTMENT OF SURGERY Ophthalmology Service	
Wertz, Fleming COL MC. The Effects Upon Ocular Structures of Optical Polycarbonate and of Various Eye Protective Substances Applied to and Incorporated Within It (1/90)	491
Wertz, Fleming COL MC. The Efficacy of Cyanoacrylates in the Primary Closure of Conjunctival Scleral Lacerations (1/90)	492
2320 Blaydon, Sean CPT MC. Mood and Behavior Changes with Topical Ophthalmic Beta-Adrenergic Blockade (2/90)	493

^{*} Reference is to page number(s) in Volume II.

PROTOCO NUMBER		PAGE* (VOL II)
	MENT OF SURGERY an Transplant Service	
2633	Shaver, Timothy MAJ MC. Use of Anti-lymphocyte Preparations in Solid Organ Transplantation (12/89)	494
3361	Polly, Shirley MAJ MC. Pneumococcal Polysaccharide Vaccine: Adverse Reactions to Immunization (12/90)	495
	MENT OF SURGERY hopaedic Surgery Service	
2417	McHale, Kathleen MAJ MC. A Prospective Study of Back Pain in Pregnancy (8/89)	496
2418	Polly, David Jr MAJ MC. Clinical Investigation of the PWB Spine System (10/89)	497
2420	Temple, Thomas MAJ MC. MRI Characteristics following Surgical Excision of Soft Tissue Sarcomas and Radiation Therapy in Determining Normal Postsurgical and Radiation Changes from Recurrent Disease (3/90)	498
2427	Hopkinson, William COL MC. The Effects of Intraoperative Blood Loss on Serum Antibiotic Level in Patients Undergoing Total Joint Arthroplasty (3/91)	499
2432	Xenos, John CPT MC. Evaluation of the Syndesmosis in Ankle Diastasis Injuries $(10/91)$	500
2433	Hayda, Roman CPT MC. Foot and Ankle Injuries During Operation Desert Storm/Shield: An Analysis (10/91)	501
2434	Xenos, John CPT MC. Aggressive Osteolysis Behind Well-fixed Acetabular Components with Perforations (3/92)	502
2435	Brown, Maurice CPT MC. The Effect of Extracorporeal Shockwaves on Bone and Soft Tissue in Rabbits (4/92)	503
2436	Xenos, John CPT MC. Evaluation of Bone Healing in Osteotomies Produced with Excimer Laser and Er:YAG Laser in the Rabbit Model (7/92)	504

^{*} Reference is to page number(s) in Volume II.

PROTOCO NUMBER		PAGE* (VOL II)
	MENT OF SURGERY hopaedic Surgery Service (continued)	
2437	Stuart, James CPT MC. The Role of Topical Antibiotic in the Prevention of Bone Infection of the Rabbit Model. Treatment of Contaminated Open Tibial Fractures Stablized with Internal Fixation (11/92)	505
2438	Stuart, James CPT MC. Techniques for Soft Tissue Reattachment to Bone (11/92)	506
2439	Grosso, Nicholas CPT MC. Results of Coccygectomy for Coccygodynia (12/92)	507
2440	Stuart, James CPT MC. Methods of Decontaminating Soft Tissue Grafts and Osteoarticular Fragments After Experimental Contamination $(1/93)$	508
2441	DeVries, William CPT MC. Effectiveness of Ankle Bracing for Lateral Ankle Ligament Sprains (1/93)	509
2442	DeVries, William CPT MC. Articular and Meniscal Cartilaginous Response to Nd:YAG and Excimer Laser Exposure in the Rabbit Model (1/93)	510
2444	Popovic, Neven DVM, MD, PhD. Evaluation of Biodegradable Delivery System to Regenerate Long Bones in Rabbits: Guided Tissue Regeneration in an Ostectomized Radius (1/93)	511
2445	Popovic, Neven DVM, MD, PhD. The Effect of Extracorporeal Shock Waves on Compartment Pressures in the Rabbit Leg (1/93)	512
2446	Polly, David MAJ MC. The Effects of Different Braces on Pain Relief in Patients with Multiple Myeloma Involving the Spine $(1/93)$	513
2447	McHale, Kathleen LTC MC. Subtalar Stabilization in Progressive Planovalgus Deformity in Children (2/93)	514
2448	Polly, David MAJ MC. Thoracoplasty in Scoliosis (2/93)	515
2449	Polly, David MAJ MC. Measurement of Lumbar Lordosis: Evaluation of Intraobserver, Interobserver and Technique Variability (3/93)	516

^{*} Reference is to page number(s) in Volume II.

PROTOCO NUMBER		PAGE* (VOL II)
	MENT OF SURGERY hopaedic Surgery Service (continued)	
2450	Popovic, Neven DVM, MD, PhD. Regeneration of Segmental Defects in the Radii of Rabbits Using Recombinant Human Bone Morphogenetic-2 Protein (3/93)	517
2451	Cook, Jonathan MAJ MC. Carpal Ligament Injuries in Intra-articular Fractures of the Distal Radius (4/93)	518
2452	Popovic, Neven MD DVM PhD. The Osteoconductive Potential of a Polycaprolactone Foam in the Rat Tibia (4/93)	519
2453	DeVries, William CPT MC. Evaluation of the Incidence of Progression and Pathologic Fracture of Long Bones Involved with Breast Cancer (4/93)	520
2454	Choma, Theodore CPT MC. Pilot Study on the Use of CO2, Argon, and 808nm Diode Lasers for Laser Welding the Achilles Tendon in the Rat Model: A Comparison (5/93)	521
2455	Popovic, Neven, DVM, MD, PhD. Effects of Extracorporeal Shockwaves on the Rabbit Physis (6/93)	522
2456	Kilkelly, Francis CPT MC. The Effect of Chlorhexidine and Povidine Iodine on Bone Healing in the Rabbit Model: A Histologic and Biomechanical Investigation (6/93)	523
2457	McHale, Kathleen MAJ MC. Orthopaedic Injuries in Operation Desert Shield/Storm: A 2-Year Follow-up (7/93)	524
2458	Popovic, Neven DVM, MD, PhD. Evaluation of Rabbit Ulna as a Model for Testing of Bone Substitute Materials (7/93)	525
2459	Polly, David MAJ MC. Measurement of Spondylolisthesis Parameters Evaluation of Intraobserver, Interobserver and Technique Reliabilty and Variability (8/93)	526
2460	Polly, David MAJ MC. Progression of Idiopathic Scoliosis After Menarche (8/93)	527
2461	Popovic, Neven MD, DVM, PhD. Effects of Extracorporeal Shockwaves on the Rabbit Ulna Cadaver (8/93)	528

^{*} Reference is to page number(s) in Volume II.

PROTOCOL NUMBER PRINCIPAL INVESTIGATOR, TITLE, AND APPROVAL DATE	PAGE* (VOL II)	
DEPARTMENT OF SURGERY Orthopaedic Surgery Service (continued)		
Popovic, Neven MD DVM PhD. A Pilot Study: The Effect of Extracorporeal Shockwaves on the Rate of Bone Healing in a Rabbit Radius Diaphysis: Effects on Healing of Autografts, Comminuted Fractures, and Diaphysial Critical Size Bone Defects (9/93)	529	
DEPARTMENT OF SURGERY Otolaryngology-Head & Neck Service		
2522 McKenzie, Pearline CPT MC. Vocal Cord Function and Voice Quality Evaluation of Active Duty U.S. Army Drill Instructors (8/92)	530	
2526 Cukier, Andrew CPT MC. Radiation Effects on Salviary Epithelial Growth Factor (EGF): A Pilot Study (1/93)	531	
DEPARTMENT OF SURGERY Plastic Surgery Service		
2910 Mayer, Michael LTC MC. The Use of Bone Repair Materials for Maxillary Alveolar Clefts (10/90)	532	
2911 Mayer, Michael LTC MC. Orbital Floor Reconstruction with Bone Repair Materials (10/90)	533	
2912 Mayer, Michael LTC MC. Rigid Skeletal Fixation of the Immature Craniofacial Skeleton (10/90)	534	
DEPARTMENT OF SURGERY Thoracic Surgery Service		
Zurcher, Robert MAJ MC. Secondary Prospective Study for the Evaluation of the Safety and Effectiveness of Cryopreserved Human Allograft Heart Valves (LifeNet) (10/91)	535	
Zurcher, Robert MAJ MC. Cryovalve Heart Valve Allografts, Replacement Heart Valve Allograft (CryoLife) (10/91)	536	

^{*} Reference is to page number(s) in Volume II.

PROTOCO NUMBER		PAGE* (VOL II)
	MENT OF SURGERY Logy Service	
2837	McLeod, David COL MC. NPCP 2200 A Comparison of Leuprolide with Leuprolide and Flutamide in Previously Untreated Patients with Clinical Stage D2 Cancer of the Prostate (2/85)	537
2843	McLeod, David COL MC. ECOG EST 1887 A Phase III Trial of Cystectomy Alone Vs. Neoadjuvant M-VAC + Cystectomy in Patients with Locally Advanced Bladder Cancer (10/88)	538
2859	McLeod, David COL MC. SWOG 8894 A Comparison of Bilateral Orchiectomy with or without Flutamide for the Treatment of Patients with Histologically Confirmed Stage D2 Prostate Cancer (9/89)	539
2864	Moul, Judd MAJ MC. ECOG EST 9887 A Phase III Trial of Treatment of Pathologic Stage C Carcinoma of the Prostate with Adjuvant Radiotherapy (7/90)	540
2865	Sihelnik, Stephen LTC MC. A Randomized Trial of Transurethral Resection of the Prostate Vs. Open Prostatectomy or Nonoperative Treatment (7/90)	541
2868	McLeod, David COL MC. Randomized Prospective Study Comparing Radical Prostatectomy Alone Versus Radical Prostatectomy Preceded by Androgen Blockade in Clinical B2 (T2bNxMo) Prostate Cancer (9/91)	542
2869	Sihelnik, Stephen LTC MC. Response Patterns to DDAVP (Desmopressin Acetate) in the Treatment of Nocturnal Enuresis as a Function of Change in Urine Osmolality (10/91)	543
2871	McLeod, David COL MC. A Randomized, Comparative Trial of Casodex Versus Flutamide Used in Combination with Medical Castration in Patients with Untreated Metastatic Prostate Cancer (1/92)	544
2872	Moul, Judd MAJ MC. EOG EST C-0490: Phase II Study of Difluromethylornithine (DFMO) in Patients with Superficial and Superficially-Invasive Bladder Cancer (2/92)	545
2873	Lewis, Donald MAJ MC. Evaluation of the P53 Tumor Suppressor Gene in Human Testicular Cancer $(10/92)$	546

 $[\]boldsymbol{\ast}$ Reference is to page number(s) in Volume II.

PROTOCO NUMBER		PAGE* (VOL II)
	ENT OF SURGERY ogy Service (continued)	
2874	McLeod, David COL MC. Multicenter Study of Intravenously Administered 111 In-CYT-356 in the Evaluation of Patients with Primary Prostate Cancer Prior to Staging Pelvic Lymph Node Dissection (Protocol 356In15) (12/92)	547
2875	McLeod, David COL MC. Administration of Intravenous Doses of 111 In-CYT-356 in the Detection of Occult Prostate Carcinoma (Protocol 356In14) (12/92)	548
2876	Moul, Judd MAJ MC. Detection of the c-erbB-2 Oncogene Protein in Serum and Tissue of Patients with Prostate Cancer, Benign Prostate Conditions, and No Prostate Disease (12/92)	549
2877	Moul, Judd MAJ MC. Detection of Cathepsin D in the Seminal Plasma and Tissues of Patients with Prostate Cancer, Benign Prostate Conditions, and No Prostate Disease (2/93)	550
2878	Sihelnik, Stephen. Treatment of Begign Prostatic Hyperplasia: Pilot Study (7/93)	551
2879	Sihelnik, Stephen LTC MC. Early Medical Treatment of BPH (7/93)	552
2880	Zorn, Burkhardt MAJ MC. Nerve Growth Factor and Basic Fibroblast Growth Factor in the Urine of Patients with Prostatism and Interstitial Cystitis (7/93)	553
2881	Costabile, Raymond MAJ MC. Program for Treatment of Erectile Failure with MUSE (Medicated Urethral System for Erection) (8/93)	554
2882	Irby, Pierce LTC MC. Incidence of Stool Guaiac Conversion Following Extracorporeal Shock Wave Lithotripsy (ESWL) (8/93)	555
IRELAND	AH, FORT KNOX, KY	
8101	Zuehlke, Robert MAJ DC. The Effect of Antituberculosis Drugs on Human Gingival Indices - A Clinical Study (6/93)	556

^{*} Reference is to page number(s) in Volume II.

CITATION*	TYPE*
ALLERGY-IMMUNOLOGY SERVICE	
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^{*} Number in [] is the protocol number.

** P = publication, Ab = abstract, Pr = presentation

84

CITATION*	TYPE**
ALLERGY-IMMUNOLOGY SERVICE (continued)	
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<u>CITATION</u> *	TYPE**
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CITATION*	TYPE**
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Burch H, Solomon B, Wartofsky L, Burman K: A comparison of radioiodine therapy for Graves' disease with and without antithyroid drug pretreatment. Meeting of the Endocrine Society, Anaheim, CA, June, 1994. [1349-92]	Pr
Burch H, Solomon B, Wartofsky L, Burman K: A comparison of radioiodine therapy for Graves' disease with and without antithyroid drug pretreatment. Proceedings of the Meeting of the Endocrine Society, Anaheim, CA, June, 1994. [1349-92]	Ab
Burch H, Solomon B, Wartofsky L, Burman K: Discontinuation of antithyroid therapy before ablation with radioiodine in Graves' disease. Ann Intern Med 1994;121(8):553-9. [1349-92]	P
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Carr F, Fisher C, Smallridge R: Inhibition of Cjun and Cfos by antisense vectors blocks TRH-stimulation of TSH gene expression. 69th Annual Meeting of the American Thyroid Association, Tampa, FL, November, 1993. [1328-90]	Pr
Carr F, Fisher C, Smallridge R: Inhibition of cjun and cfos by antisense vector blocks TRH-stimulation of TSH gene expression. 21st European Thyroid Assocation, Cardiff, Wales, 1993. [1328-90]	Pr

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CITATION*	TYPE**
DEPARTMENT OF MEDICINE Endocrine-Metabolic Service (continued)	
Carr F, Fisher C, Smallridge R: Inhibition of cjun and cfos by antisense vectors blocks TRH-stimulation of TSH gene expression. Proceedings of the 21st European Thyroid Association Meeting, Cardiff, Wales, 1993. [1328-90]	Ab
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Carr F, Fisher C, Smallridge R: Inhibition of cjun and cfos proto-oncogenes by antisense expression vectors blocks TRH stimulation of TSH gene expression. Gordon Research Conference on Hormone Action, Kimball Union Academy, Meriden, NH, 1993. [1328-90]	Pr
Carr F, Wong N: Characteristics of a negative thyroid hormone response element. J Biological Chemistry 1994;269(6):4175-9. [1356-92]	P
Duncan W, Chang A, Solomon B, Wartofsky L: Influence of clinical characteristics and parameters associated with thyroid hormone therapy on the bone. Thyroid 1994;4(2):183-90. [1340-91]	P
Duncan W, Stott D, Burman K, Chang A: Bone densitometry: precision error is low. Brit Med J 1994; 308:6943. [1340-91]	Ab
Kiang J, Carr F, McClain D: Heat-induced heat shock protein 72KD production in human epidermoid A-431 cells. Meeting of the American Federation for Clinical Research, Washington, DC, 1993. [1328-90]	Pr
Kushner J, Solomon B, Martin B, Smith S, Pacicco T, Smith M, Berg B, Williams C: Awareness of nutrition by hospital health care providers. J Am Col Nutrition 1993;12:599. [1341-92]	Ab
Kushner J: Awareness of nutrition by hospital health care providers. Clinical Investigator Recognition Seminar, Department of Clinical Investigation, Walter Reed Army Medical Center, Washington, DC, January, 1994. [1341-92]	Pr
Kushner J: Awareness of nutrition by hospital health care providers. 34th Annual Meeting of the American College of Nutrition, Chicago, IL, October, 1993. [1341-92]	Pr

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<u>CITATION</u> *	<u>TYPE</u> **
DEPARTMENT OF MEDICINE Endocrine-Metabolic Service (continued)	
Nagy E, Burch H, Burman K: Unidirectional shift of the dominant T-cell epitope in the human thyrotropin receptor in Graves' disease. Proceedings of the Annual Meeting of the American Thyroid Association, Tampa, FL, November, 1993. [1316-89]	Ab
Nagy E, Burch H, Burman K: Unidirectional shift of the dominant T-cell epitope in the human thyrotropin receptor in Graves' disease. Annual Meeting of the American Thyroid Association, Tampa, FL, November, 1993. [1316-89]	Pr
Nagy E, Burch H, Lukes Y, Carr F, Kosugi S, Kohn L, Burman K: Immunogenicity of a unique region of the human thyrotropin receptor. J Endocrinol Invest 1993;16:485-93. [1354-92]	P
Solomon B, Burman K, Wartofsky L: Management of differentiated thyroid carcinoma: results of a survey of American Thyroid Association members. Proceedings of the Annual Meeting of the American Thyroid Association, Tampa, FL, November, 1993. [1351-92]	Ab
Solomon B, Burman K, Wartofsky L: Management of differentiated thyroid cancinoma: results of a survey of American Thyroid Association members. Annual Meeting of the American Thyroid Association, Tampa, FL, November, 1993. [1351-92]	Pr
Tseng Y, Lahiri S, Nicholson D, Wartofsky L: Evidence of an association of endothelin-1 receptor expression to the active growth phase of the cell cycle and identification of endothelin-1-mRNA in FRTL cells. Proceedings of the 68th Annual Meeting of the American Thyroid Association, Tampa, FL, November, 1993. [1359-92]	Ab
Tseng Y, Lahiri S, Nicholson D, Wartofsky L: Evidence of an association of endothelin-1 receptor expression to the active growth phase of the cell cycle and identification of endothelin-1-mRNA in FRTL cells. 69th Annual Meeting of the American Thyroid Association, Tampa, FL, November, 1993. [1359-92]	Pr
Tseng Y, Nicholson D, Lahiri S, Wartofsky L: Identification of preproendothelin precursor mRNA in human thyroid cells using a fluorescence detection system. Proceedings of the 75th Annual Meeting of the Endocrine Society, Las Vegas, NV, 1993. [1359-92]	Ab

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TYPE**

CITATION*	TYPE
DEPARTMENT OF MEDICINE Endocrine-Metabolic Service (continued)	
Tseng Y, Nicholson D, Lahiri S, Wartofsky L: Identification of preproendothelin precursor mRNA in human thyroid cells using a fluorescence detection system. 75th Annual Meeting of the Endocrine Society, Las Vegas, NV, 1993. [1359-92]	Pr
DEPARTMENT OF MEDICINE Gastroenterology Service	
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Cremins J, Salata K, Kikendall J, Hershey J, Nair P, Wong R: Colonocyte expression of CD and HLA markers in patients with normal and neoplastic colons. Gastroenterology 1994;106:A379. [1423]	Ab
DeMarkles M, Murphy J, Maydonovitch C, Greenwall S, Wong R, Sjogren M: Hepatitis C viral transmission in a military population. Annual Meeting of the American College of Gastroenterology, New York, NY, October, 1993. [1422]	Pr
Kikendall J, Magnetti C, Burgess M, Stacewicz-Sapuntzakis M, Langenberg P, Bowen P: Vitamin A nutriture and the risk of colonic adenomas. Gastroentrology 1994;106(4):A207. [1413]	Ab
Kikendall J, Magnetti C, Burgess M, Stacewicz-Sapuntzakis M, Langenberg P, Bowen P: Vitamin A nutriture and the risk of colonic adenomas. 95th Annual Meeting of the American Gastroenterological al Association, Digestive Disease Week, New Orleans, LA, May, 1994. [1413]	Pr
McGovern T, Holtzmuller K, Sherman K, Smith M, Kadakia S, Kepczyk T, Inscoe K, Murphy J, See A, Morris E, Wong R, Sjogren M: Hepatitis C virus infections in U.S. families. International Symposium on Viral Hepatitis and Liver Disease, Tokyo, Japan, 1993. [1420]	Pr

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CITATION*	<u>TYPE</u> **
DEPARTMENT OF MEDICINE Gastroenterology Service (continued)	
McGovern T, Holtzmuller K, Sherman K, Smith M, Kadakia S, Kepczyk T, Inscoe K, Murphy J, See A, Morris E, Wong R, Sjogren M: Hepatitis C virus infections in U.S. families. In: K. Nishioka, H. Suzuki, S. Mishiro, T. Oda, eds. Proceedings of the International Symposium on Viral Hepatitis and Liver Disease. Tokyo, Japan, 1993:450-4. [1420]	P
McGovern T, Holtzmuller K, Sherman K, Smith M, Kadakia S, Kepczyk T, Inscoe K, Murphy J, See A, Wong R, Sjogren M: Household transmission of Hepatitis C virus. International Symposium of Hepatitis and Liver Diseases, Tokyo, Japan, 1993. [1420]	Pr
Moses F, Stamm C, Peller P, Larsen B, Peller T, Brewer T: Oral low-dose pulse methotrexate in primary sclerosing cholangitis: an open-label trial. 58th Annual Scientific Meeting, New York, NY, October, 1993. [1410]	Pr
DEPARTMENT OF MEDICINE General Medicine Service	
Hahn S, Spitzer R, Williams J, Kroenke K: The difficult patient in primary care: prevalence, psychopathology, and impairment. 7th Annual National Institute of Mental Health International Research Conference on Mental Health Problems in the General Health Care Sector, Bethesda, MD, 1993. [1030]	Pr
Hahn S, Spitzer R, Williams J, Kroenke K: The difficult patient in primary care: prevalence, psychopathology, and impairment. Clin Res 1993;41:577A. [1030]	Ab
Hospenthal D, Hicks C, Wiesen A, Byrd J, Isenbarger D, Salzberg D: Trends in fungi recovered from urine following the introduction of fluconazole. District of Columbia Scientific Meeting of the American College of Physicians, Bethesda, MD, January, 1994. [1033]	Pr
Hospenthal D, Hicks C, Wiesen A, Byrd J, Isenbarger D, Salzberg D: Trends in fungi recovered from urine following the introduction of fluconazole. 12th Congress of the International Society for Human and Animal Mycology, Adelaide, South Australia, March, 1994. [1033]	Pr

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CITATION*	TYPE*
DEPARTMENT OF MEDICINE General Medicine Service (continued)	
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Johnson J, Spitzer R, Williams J, Kroenke K: Psychiatric comorbidity, health status, and functional impairment associated with alcohol abuse/dependence in primary care patients: findings of the PRIME-100 Study. 7th Annual National Institute of Mental Health Research Conference on Mental Health Problems in the General Health Care Sector, Bethesda, MD, 1993. [1030]	Pr
Kroenke K, Spitzer R, Williams J: Physical symptoms in primary care: predictors of psychiatric disorders and functional impairment. Clin Res 1993;41:578A. [1030]	Ab
Kroenke K, Spitzer R, Williams J: Physical symptoms in primary care: predictors of psychiatric disorders and functional impairment. Meeting at National Institute of Mental Health, Bethesda, MD, 1993. [1030]	Pr
Marple R, Kroenke K, Lucey C, Wilder J, Lucas C: Outcome in patients presenting with common physical complaints. 16th Annual Meeting of the Society of General Internal Medicine, Washington, DC, 1993. [1029]	Pr
Marple R, Kroenke K, Lucey C, Wilder J, Lucas C: A prospective study of the concerns and expectations in patients presenting with common symptoms. 10th Army Regional Meeting of the American College of Physicians, Orlando, FL, November, 1993. [1029]	Pr
Marple R, Kroenke K, Lucey C, Wilder J, Lucas C: The 2-week outcome in patients presenting with common physical complaints. J Gen Intern Med 1994;9(suppl 2):88. [1029]	Ab
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<u>CITATION</u> *	<u>TYPE</u> **
DEPARTMENT OF MEDICINE General Medicine Service (continued)	
Marple R, Kroenke K, Lucey C, Wilder J, Lucas C: A prospective study of the concerns and expectations in patients presenting with common symptoms. 10th Army Regional Meeting of the American College of Physicians, Orlando, FL, November, 1993. [1029]	Pr
Marple R, Lucey C, Kroenke K, Wilder J, Lucas C: A prospective study of the concerns and expectations in patients presenting with common symptoms. 16th Annual Meeting of the Society of General Internal Medicine, Washington, DC, 1993. [1029]	Pr
O'Malley P, Wong M, Kroenke K, Wong R: The value of screening for psychiatric disorders prior to upper endoscopy. Proceedings of the 10th Army Regional Meeting of the American College of Physicians, Orlando, FL, November, 1993. [1032]	Ab
O'Malley P, Wong P, Roy M, Kroenke K, Wong R: The value of screening for psychiatric disorders prior to upper endoscopy. Proceedings of the Regional American College of Physicians' Meeting, Washington, DC, January, 1994. [1032]	Ab
O'Malley P, Wong P, Roy M, Kroenke K, Wong R: The value of screening for psychiatric disorders prior to upper endoscopy. Proceedings of the National American College of Physicians' Meeting, Miami, FL, April, 1994. [1032]	Ab
O'Malley P, Wong P, Roy M, Kroenke K, Wong R: The value of screening for psychiatric disorders prior to upper endoscopy. Proceedings of the Meeting of the National Society of General Internal Medicine, Washington, DC, April, 1994. [1032]	Ab
O'Malley P, Wong P, Roy M, Kroenke K, Wong R: The value of screening for psychiatric disorders prior to upper endoscopy. Regional Meeting of the American College of Physicians, Washington, DC, January, 1994. [1032]	Pr
O'Malley P, Wong P, Roy M, Kroenke K, Wong R: The value of screening for psychiatric disorders prior to upper endoscopy. Meeting of the National Society of General Internal Medicine, Washington, DC, April, 1994. [1032]	Pr
O'Malley P, Wong P, Roy M, Kroenke K, Wong R: The value of screening for psychiatric disorders prior to upper endoscopy. 75th Annual Meeting of the American College of Physicians Meeting, Miami Beach, FL, April, 1994. [1032]	Pr

CITATION*	TYPE**
DEPARTMENT OF MEDICINE General Medicine Service (continued)	
O'Malley P, Wong R, Roy M, Kroenke K, Wong R: The value of screening for psychiatric disorders prior to upper endoscopy. 10th Army Regional Meeting of the American College of Physicians, Orlando, FL, November, 1993. [1032]	Pr
Oman C, Hahn S, Spitzer R, Williams J, Kroenke K, Linzer M, DeGruy F, Brody D: Prevalence of suicidal ideation in general medical patients. J Gen Intern Med 1994;9(suppl 2):96. [1030]	Аb
Oman C, Hahn S, Spitzer R, Williams J, Kroenke K, Linzer M, DeGruy F, Brody D: Prevalence of suicidal ideation in general medical patients. 17th Annual Meeting of the Society of General Internal Medicine, Washington, DC, April, 1994. [1030]	Pr
Spitzer R, Hahn S, Williams J, Kroenke K: Gender differences in psychopathology and functional impairment in primary care. Meeting of the American Psychiatric Association, Philadelphia, PA, May, 1994. [1030]	Pr
Spitzer R, Williams J, Kroenke K: The PRIME-MD 1000 Study: description, validation, and clinical utility of a new procedure for diagnosing mental disorders in primary care. 7th Annual National Institute of Mental Health International Research Conference on Mental Health Problems in the General Health Care Sector, September, 1993. [1030]	Ab
Williams J, Spitzer R, Linzer M, Kroenke K: Gender differences in psychopathology and functional impairment in primary care. 7th Annual National Institute of Mental Health International Research Conference on Mental Health Problems in the General Health Care Sector, Bethesda, MD, 1993. [1030]	Pr
DEPARTMENT OF MEDICINE Hematology-Oncology Service	
Hartman K, La Russa V, Rothwell S, Atolagbe T, Ward F, Klipple G: Antibodies to myeloid precursor cells in autoimmune neutropenia. Blood 1994;84:625. [1686]	Ab
Hartman K: Anti-neutrophil antibodies of the Ig-M class in autoimmune neutropenia. Am J Med Sci 1994;308(2):102-5. [1681]	P

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<u>CITATION</u> *	TYPE**
DEPARTMENT OF MEDICINE Hematology-Oncology Service (continued)	
La Russa V, Cutting M, Kaushal S, Leiby D, Toro L, Mosca J, Kessler S, Reid T: Generation of stromal cell colonies from CD34+ cells. Blood 1993;82:98a. [1686]	Ab
La Russa V, Cutting M, Xaushal S, Leiby D, Toro L, Mosca J, Kessler S, Reid T: Generation of stromal cell colonies from CD34+ cells. Meeting of the American Society of Hematology, St. Louis, MO, December, 1993. [1686]	Pr
La Russa V, Mosca J, Kaushal S, Cutting M, Kessler S, Reid T: CD34+ stromal cell precursors are possible targets for HIV. Meeting of the American Society of Hematology, St. Louis, MO, December, 1993. [1686]	Pr
La Russa V, Mosca J, Kaushal S, Cutting M, Kessler S, Reid T: CD34+ stromal cell precursors are possible targets for HIV. Blood 1993;82:414a. [1686]	Ab
La Russa V, Polsinelli T, Hoover D, Zhang X, Cutting M, Putnak R, Reid T: Differences in virus progeny growth of parent and live-attenuated forms of dengue virus and cytokine production in stromal cell cultures of human marrow. International Society for Experimental Hematology Meeting, Minneapolis, MN, August, 1994. [1686]	Pr
La Russa V, Polsinelli T, Hoover D, Zhang X, Cutting M, Putnak R, Reid T: Differences in virus progeny growth of parent and live-attenuated forms of dengue virus and cytokine production in stromal cell cultures of human marrow. Exp Hematol 1994;22:816. [1686]	Ab
Mosca J, Hall E, Kaushal S, La Russa V, Kessler S, Burke D: MuLV infection and differentiation of primitive human CD34+ hematopoietic cells in liquid cultures and in SCID mice. International Conference on AIDS, Berlin, Germany, 1993. [1686]	Pr
Mosca J, Hall E, Kaushal S, La Russa V, Kessler S, Gartner S, Kim J, St. Louis D, Mayers D, Perera L, Yu Z, Ritchey D, Xu J, Burke D: Developing a microenvironment for the differentiation of primitive CD34+ hematopoietic cells in hu-BM-SCID. 1st National Conference on Human Retroviruses and Related Infections, Washington, DC, 1993. [1686]	Pr

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<u>CITATION</u> *	TYPE**
DEPARTMENT OF MEDICINE Hematology-Oncology Service (continued)	
Ritchey D, Hall E, Kaushal S, Greenhouse J, La Russa V, Kessler S, Gartner S, Liu Y, Sitz K, Perera L, Kim J, St. Louis D, Vahey M, Yu Z, Xu J, Redfield R: Survival and differentiation of primitive human CD34+ hematopoietic cells in liquid cultures and in SCID mic. 1st National Conference on Human Retroviruses and Related Infections, Washington, DC, 1993. [1686]	Pr
Rothwell S, Putnak R, La Russa V: Identification of a target cell for dengue virus in human bone marrow-derived cultures. Molec Biol Cell 1993;4:340a. [1686]	Ab
Rowton E, Leiby D, Toro-Lopez L, La Russa V: Infection of human bone marrow-derived stroma with viscerotropic Leishmania tropica Promastigotes. Am J Trop Med Hyg 1993;49:251. [1686]	Ab
Wiesen A, Hospenthal D, Byrd J, Glass K, Howard R, Diehl L: Equilibrium of hemoglobin concentration after transfusion in medical inpatients not actively bleeding. Ann Intern Med 1994;121:278-80. [1684]	P
Wiesen A: Equilibration of hemoglobin following transfusion. 10th Annual Scientific Meeting of the American College of Physicians, Buena Vista, FL, November, 1993. [1684]	Pr
Wiesen A: Equilibration of hemoglobin following transfusion. District of Columbia Scientific Meeting, Bethesda, MD, January, 1994. [1684]	Pr
Wiesen A: Equilibration of hemoglobin concentration following transfusion of packed red cells. European Haematology Association, Brussels, Belgium, June, 1994. [1684]	Pr
Wright D, Kenney R, Oette D, La Russa V, Boxer L, Malech H: Contrasting effects of recombinant human granulocyte-macrophage colony-stimulating factor and granulocyte CSF treatment on the cycling of blood elements in childhood-onset cyclic neutropenia. Blood 1994;84:1257. [1686]	Ab

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DEPARTMENT OF MEDICINE Infectious Disease Service	
Drabick J, Remsey K, McClain J, Cryz S, Cross A: The effect of passive immunotherapy with hyperimmune and non-hyperimmune gamma globulin in circulating antigen-specific B cells in human volunteers. Clin Res 1994;42:299A. [1967]	Ab
Gasser R, Magill A, Oster C, Franke E, Grogl M, Berman J: Pancreatitis induced by pentavalent antimonials during treatment of leishmaniasis. Clin Infect Dis 1994;18:83-90. [1965]	P
Grogl M, Gasser R, Magill A, Johnson S, Oster C: Cutaneous leishmaniasis in U.S. rangers and marines associated with jungle warfare training in French Guiana during 1992-1993. Proceedings of Joint Annual Meeting of American Society of Tropical Medicine and Hygiene and American Society of Parasitologists, Atlanta, GA, October, 1993. [1965]	Ab
Grogl M, Gasser R, Magill A, Johnson S, Oster C: Cutaneous leishmaniasis in U.S. rangers and marines associated with jungle warfare training in French Guiana during 1992-1993. Joint Annual Meeting of the American Society of Tropical Medicine and Hygiene and the American Society of Parasitologists, Atlanta, GA, October, 1993. [1965]	Pr
Magill A, Grogl M, Gasser R, Oster C: Visceral leishmaniasis in Desert Storm veterans. N Engl J Med 1993;329:1503-4. [1965]	P
Magill A, Grogl M, Gasser R, Sun W, Oster C: Visceral infection caused by leishmania tropica in veterans of Operation Desert Storm. N Engl J Med 1993;328:1383-7. [1965]	P
DEPARTMENT OF MEDICINE Nephrology Service	
Bohen E, Yeun J, Yuan C, Moore J: Cis-platinum and gentamicin do not stimulate endothelin production by human umbilical vein endothelial cells in culture. Proceedings of the 26th Annual Meeting of the American Society of Nephrology, Boston, MA, November, 1993. [1166]	Ab
Bohen E, Yeun J, Yuan C, Moore J: Cis-platinum and gentamicin do not stimulate endothelin production by human umbilical vein endothelial cells in culture. 26th Annual Meeting of the American Society of Nephrology, Boston, MA, November, 1993. [1166]	Pr

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CITATION*	TYPE**
DEPARTMENT OF MEDICINE Nephrology Service (continued)	
Mahoney D, Yuan C, Moore J: Induction of heat shock proteins reduces cyclosporine A toxicity in cultured renal epithelial cells. Proceedings of the 26th Annual Meeting of the American Society of Nephrology, Boston, MA, November, 1993. [1170]	Ab
Mahoney D, Yuan C, Moore J: Induction of heat shock proteins reduces cyclosporine A toxicity in cultured renal epithelial cells. 26th Annual Meeting of the American Society of Nephrology, Boston, MA, November, 1993. [1170]	Pr
Salzberg D, Carome M, Musio F, Yuan C: Induction of the heat shock response reduces cis-platinum toxicity in cultured renal epithelial cells. Annual Fellows' Forum of the National Kidney Foundation, Bethesda, MD, May, 1994. [1170]	Pr
Salzberg D, Carome M, Musio F, Yuan C: Induction of the heat shock response reduces cis-platinum toxicity in cultured renal epithelial cells. J Am Soc Nephrol 1994;5:930A. [1170]	Ab
Welch P, Fattom A, Sigmon J, Schneerson R, Robbins J, Moore J: Safety and immunogenicity of a conjugate vaccine against Staphylococcus Aureus type 5 capsular polysaccharide in hemodialysis patients. J Am Soc Nephrol 1993;4(3):259. [1169]	Ab
Welch P, Fattom A, Sigmon J, Schneerson R, Robbins J, Moore J: Safety and immunogenicity of a conjugate vaccine against staphylococcus aureus type 5 capsular polysaccharide in hemodialysis patients. Proceedings of the 26th Annual Meeting of the American Society of Nephrology, Boston, MA, November, 1993. [1169]	Ab
Welch P: Safety and immunogenicity of a conjugate vaccine against Staphylococcus Aureus type 5 capsular polysaccharide in hemodialysis patients. 26th Annual Meeting of the American Society of Nephrology, Boston, MA, November, 1993. [1169]	Pr
Yuan C, Bohen E, Carome M: Induction of heat shock proteins reduces cyclosporine A toxicity in LLCPK cells. Clin Res 1994;42:221A. [1170]	Ab
Yuan C, Bohen E, Carome M: Induction of heat shock proteins reduces cyclosporine A toxicity in LLCPK cells. AFCR Meeting, Baltimore, MD, April, 1994. [1170]	Pr

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CITATION*	TYPE**
DEPARTMENT OF MEDICINE Nephrology Service (continued)	
Yuan C, Bohen E, Musio F, Carome M: The protective effect of heat shock on subsequent cyclosporine A toxicity in renal epithelial cells in vitro declines concurrently with decreasing HSP 70 levels. J Am Soc Nephrology 1994;5:934. [1170]	Ab
Yuan C, Popham S, Musio F, Salzberg D, Bohen E, Carome M: Mannitol protects LLC-PK1 cells from cyclosporine A toxicity without induction of heat shock protein 70 gene expression. J Am Soc Nephrol 1994;5:934A. [1173]	Ab
DEPARTMENT OF MEDICINE Pulmonary & Critical Care Medicine Service	
Stoltzfus D: Patterns of ischemia-Holter monitoring in patients with previous PTCA or CABG. Clinical Investigator Recognition Seminar, Department of Clinical Investigation, Walter Reed Army Medical Center, Washington, DC, 1993. [3011]	Pr
DEPARTMENT OF MEDICINE Pulmonary Disease Service	
Argyros G, Phillips Y, Eliasson A: Eucapnic voluntary ventilation as a bronchoprovocation technique: development of a standardized ventilatory dosing schedule in asthmatics. 10th Army Regional Meeting of the American College of Physicians, Orlando, FL, November, 1993. [1752]	Pr
Argyros G, Roach J, Hurwitz K: The refractory period after eucapnic voluntary ventilation and its effect on challenge technique. 1994 International Conference of the American Lung Association/American Thoracic Society, Boston, MA, May, 1994. [1752]	Pr
Argyros G, Roach J, Hurwitz K: The refractory period after eucapnic voluntary ventilation and its effect on challenge technique. 10th Army Regional Meeting of the American College of Physicians, Orlando, FL, November, 1993. [1752]	Pr
Argyros G, Roach J, Hurwitz K: The refractory period after eucapnic voluntary hyperventilation challenge and its effect on challenge technique. Am J Resp Crit Care Med 1994;149:A1047. [1752]	Ab

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CITATION*	TYPE**
DEPARTMENT OF MEDICINE Pulmonary Disease Service (continued)	
Argyros G: Water loss without heat flux in exercise-induced asthma. Am Rev Respir Dis 1993;147:1419-24. [1752]	P
Argyros G: Eucapnic voluntary hyperventilation as a bronchoprovocation technique in asthmatics: comparison with methacholine inhalation. Am Rev Respir Dis 1993;(suppl):A258. [1752]	Ab
Argyros G: Eucapnic voluntary hyperventilation as a bronchoprovocation technique in asthmatics: comparison with methacholine inhalation. Meeting of the American Thoracic Society, San Francisco, CA, 1993. [1752]	Pr
Argyros G: Analysis of the refractory period after sequential testing with eucapnic voluntary hyperventilation and methacholine inhalation challenge. Meeting of the American Thoracic Society, San Francisco, CA, 1993. [1752]	Pr
Argyros G: The use of fiberoptic bronchoscopy in evaluating malignancy metastatic to the lung. Meeting of the American Thoracic Society, San Francisco, CA, 1993. [1752]	Pr
Argyros G: Water loss without heat flux in exercise-induced asthma. Am Rev Respir Dis 1993;147:1419-24. [1752]	P
Berg B, Dillard T, Phillips Y: Hypoxia inhalation testing: application in COPD. International Conference of the American Lung Association/American Thoracic Society, Boston, MA, May, 1994. [1749]	Pr
Berg B, Dillard T, Phillips Y: Hypoxia inhalation testing: application in COPD. Am J Resp Crit Care Med 1994;149:A1007. [1749]	Ab
Derderian S, Dillard T, Mehm W: Hemodynamic effects of altitude exposure to subjects with lung disease. International Conference of the American Lung Association/American Thoracic Society, Boston, MA, May, 1994. [1749]	Pr
Derderian S, Dillard T, Mehm W: Hemodynamic effects of altitude exposure to subjects with lung disease. Am J Resp Crit Care Med 1994;149:A1014. [1749]	Ab

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CITATION*	TYPE**
DEPARTMENT OF MEDICINE Pulmonary Disease Service (continued)	
Derderian S, Kumke K, Hamm C, Phillips Y, Rajagopal K: Ambient ventilatory response to flow resistive loading in asthmatics with chronic air flow obstruction. Proceedings of the American College of Chest Physicians Conference, Orlando, FL, October, 1993. [1754]	Ab
Dillard T, Moores L, Bilello K, Phillips Y: The pre-flight evaluation: a comparison of the hypoxic inhalation test with hypobaric exposure. International Conference of the American Lung Association/American Thoracic Society, Boston, MA, May, 1994. [1749]	Pr
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Hnatiuk O: Adherence to established guidelines for preoperative pulmonary function testing. Proceedings of the 10th Army Regional Meeting of the American College of Physicians, Orlando, FL, November, 1993. [1761]	Ab
Hnatiuk O: Adherence to established guidelines for preoperative pulmonary function testing. 10th Army Regional Meeting of the American College of Physicians, Orlando, FL, November, 1993. [1761]	Pr
Hurwitz K, Roach J, Argyros G, Eliasson A, Phillips Y: Refractory period during provocation with eucapnic hyperventilation and methacholine. Am J Respir Crit Care Med 1994;149:1452-6. [1752]	P
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Knutson S: Effect of upright and supine posture on hypoxemia during air transport. 10th Army Regional Meeting of the American College of Physicians, Orlando, FL, November, 1993. [1749]	Pr
Knutson S: Effect of upright and supine posture on hypoxemia during air transport. 59th Annual International Scientific Assembly of the American College of Chest Physicians, Orlando, FL, October, 1993. [1749]	Pr

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CITATION*	<u>TYPE</u> **
DEPARTMENT OF MEDICINE Pulmonary Disease Service (continued)	
Kumke K, Derderian S, Hamm C, Phillips Y, Rajagopal K: The effect of buspirone on sleep in stable asthmatics with severe air flow obstruction. 59th Annual International Scientific Assembly of the American College of Chest Physicians, Orlando, FL, October, 1993. [1754]	Pr
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Kumke K, Derderian S, Hamm C, Phillips Y, Rajagopal K: The effect of buspirone on sleep disordered respiration in stable asthmatics with severe air flow obstruction. International Conference of the American Lung Association/American Thoracic Society, Boston, MA, May, 1994. [1754]	Pr
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CITATION*	<u>TYPE</u> **
DEPARTMENT OF MEDICINE Pulmonary Disease Service (continued)	
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Rayburn D, Fitzpatrick T, Lepler L: Neural network analysis of sequential volume segments from expiratory CO2 curves in the computation of FEV1/FVC ratio and predicted FEV1. Am J Resp Crit Care Med 1994;149:A938. [1760]	Ab
Roach J, Hurwitz K, Argyros G, Eliasson A, Phillips Y: Eucapnic voluntary hyperventilation as a broncho-provocation technique in asthmatics: comparison with methacholine inhalation. Chest 1994;105:667-72. [1752]	P
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Sfikakis P, Oglesby R, Tsokos G: B7/BB1 provides an important costimulatory signal for CD3-mediated T lymphocyte proliferation in patients with systemic lupus erythematosus. Clin Exp Immunol 1994;96:8-13. [3711]	P

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CITATION*	<u>TYPE</u> **
DEPARTMENT OF MEDICINE Rheumatology Service (continued)	
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Vassilopoulos D, Zurier R, Rossetti R, Tsokos G: Effects of unsaturated fatty acids on anti-CD3-mediated cytosolic free calcium increase in human T cells. Arthritis Rheum 1993;36:S113. [3711]	Ab

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CITATION*	<u>TYPE</u> **
DEPARTMENT OF MEDICINE Rheumatology Service (continued)	
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Dougherty D, Warden D, Pyne M, Salazar A: Posttraumatic hemiparesis complicating moderately severe traumatic brain injury. Proceedings of the American Academy of Neurology, Washington, DC, April, 1994. [7144]	Ab
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CITATION*	TYPE**
NEUROLOGY SERVICE (continued)	
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<u>CITATION</u> *	TYPE**
NEUROLOGY SERVICE (continued)	
Salazar A, Levy H, Ondra S, Scherokman B, Brown D, Kende M, Mena H, Pulliam M, Schwab K, Graves M: Long-term poly-ICLC in the treatment of malignant gliomas. Meeting of the New York Academy of Sciences: Specific Immunotherapy of Cancer with Vaccines, Washington, DC, 1993. [7142]	Pr
Salazar A, Levy H, Ondra S, Scherokman B, Brown D, Kende M, Mena H, Pulliam M, Schwab K, Graves M: Long-term poly-ICLC in the treatment of malignant gliomas. Proceedings of Meeting of the New York Academy of Sciences: Specific Immunotherapy of Cancer with Vaccines, Washington, DC, 1993. [7142]	Ab
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Salazar A: Acute pathogenesis of traumatic brain injury. Meeting of the American Academy of Neurology, Washington, DC, April, 1994. [7144]	Pr
Salazar A: Acute pathogenesis of traumatic brain injury. Department of Veterans Affairs Vocational Rehabilitation and Counseling Head Injury Symposium, Milwaukee, WI, 1993. [7144]	Pr
Urban E, Jabbari B, Robles H: Concurrent cortical venous thrombosis as polyradiculomyelopathy in Sjogren syndrome. Neurology 1994;44:554-6. [7150]	P
Warden D, Dougherty D, Quintero-Sheeley E, Staudenmeier J, Pyne M, Salazar A: Psychotic symptoms following moderate traumatic brain injury. Proceedings of the American Academy of Neurology, Washington, DC, April, 1994. [7144]	Ab
Warden D, Dougherty D, Quintero-Sheeley E, Staudenmeier J, Pyne M, Salazar A: Psychotic symptoms following moderate traumatic brain injury. Meeting of the American Academy of Neurology, Washington, DC, April, 1994. [7144]	Pr
DEPARTMENT OF NURSING	
Gurney C: Determinants of effective coping and adaptation among army medical department soldiers during Operation Desert Storm. Washington Area Nursing Research Consortium, Army Forces Institute of Pathology, Washington, DC, December, 1993. [7525]	Pr

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CITATION*	TYPE**
DEPARTMENT OF NURSING (continued)	
Petrov J: The effect of a self-learning module for cancer pain management on nurses' knowledge, interventions, and patients' pain. 3rd Annual Federal Nursing Research Symposium, Washington, DC, October, 1993. [7526]	Pr
Petrov J: The effect of a self-learning module for cancer pain management on nurses' knowledge, interventions, and patients' pain. National Institutes of Health Clinical Center Nursing Department's 8th Annual Oncology Nursing Conference, Bethesda, MD, November, 1993. [7526]	Pr
Petrov J: The effect of a self-learning module for cancer pain management on nurses' knowledge, interventions, and patients' pain. The American Cancer Society's 3rd National Conference on Cancer Nursing Research, Newport Beach, CA, January, 1994. [7526]	Pr
Petrov J: The effect of a self-learning module for cancer pain management on nurses' knowledge, interventions, and patients' pain. International Society of Nurses in Cancer Care's 8th International Conference on Cancer Nursing, Vancouver, BC, Canada, August, 1994. [7526]	Pr
Sarnecky M: From whence we came: a story of the predecessors of the Army Nurse Corps. 11th Annual Conference on Nursing History, Chicago, IL, September, 1994. [7533]	Pr
Shotkin J, Lombardo F: Use of an indwelling peripheral catheter for 3-5 days sequential chemotherapy dosing in the outpatient setting. Proceedings of the Eighth Biennial Phyllis J. Verhonick Research Course, Fitzsimmons Army Medical Center, Auroro, CO, June, 1994. [7527]	Ab
Shotkin J: Use of an indwelling peripheral catheter for 3-5 days sequential chemotherapy dosing in the outpatient setting. Eight Biennial Phyllis J. Verhonick Research Course, Fitzsimmons Army Medical Center, Aurora, CO, June, 1994. [7527]	Pr
DEPARTMENT OF PATHOLOGY AND AREA LABORATORIES	
Crowell M, Hershey J, Salata K: The effect of irradiation on red cell antigen densities - a flow cytometric analysis. Annual Meeting of the Mid-Atlantic Association of Blood Banks, Lancaster, PA, April, 1994. [4816]	Pr

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<u>CITATION</u> *	TYPE**
DEPARTMENT OF PATHOLOGY AND AREA LABORATORIES (continued)	
Crowell M: The effect of irradiation on red cell antigen densities - a flow cytometric analysis. Master's Thesis, Bowling Green State University, Bowling Green, OH, July, 1994. [4816]	P
DEPARTMENT OF PEDIATRICS	
Ashton W, Dykstra K, Francis G: Testosterone increases the in vitro production of insulin-like growth factor 1 and insulin-like growth factor binding protein by neonatal foreskin fibroblasts. Ped Res 1993;33:75A. [6064]	Ab
Darling B, Pettett G, Payne A, Gallagher K, O'Neill J: Hypoglycemia and developmental differences in the release of excitatory amino acids. Annual Meeting of the American Academy of Pediatrics, Perinatal Section, Washington, DC, November, 1993. [6332]	Pr
Darling B, Pettett G, Payne A, Gallagher K, O'Neill J: Hypoglycemia and developmental differences in the release of excitatory amino acids. 10th Annual Interdisciplinary Neonatal Gastroenterology and Nutrition Symposium, Marco Island, FL, December, 1993. [6332]	Pr
Darling B, Pettett G, Payne A, Gallagher K, O'Neill J: Hypoglycemia and developmental differences in the release of excitatory amino acids. Committee on Military Perinatal Medicine, Aspen, CO, 1993. [6332]	Pr
Darling B, Pettett G, Payne A, Gallagher K, O'Neill J: Hypoglycemia and developmental differences in the release of excitatory amino acids. Annual Meeting of the American Academy of Pediatrics, Perinatal Section, Washington, DC, November, 1993. [6332]	Pr
Dykstra K, Payne A, Abdel-rahim M, Francis G: Insulin-like growth factor 1, but not growth hormone, has in vitro proliferative effects on neonatal foreskin fibroblasts without affecting 5-a-reductase or androgen receptor activity. J Andrology 1993;14(2):73-8. [6257]	P
Hinson R, Shacter E: Induction of IL-6 synthesis by cyclooxygenase and cAMP-associated pathways in murine peritoneal macrophages. Pediatr Res 1994;34:12A. [6358]	Ab
Hinson R, Shacter E: Induction of IL-6 synthesis by cyclooxygenase and cAMP-associated pathways in murine peritoneal macrophages. 1994 Annual Society for Pediatric Research Meeting, Seattle, WA, May, 1994. [6358]	Pr

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CITATION*	TYPE**
DEPARTMENT OF PEDIATRICS (continued)	
Hinson R: Induction of IL-6 synthesis by cyclooxygenase and cAMP associated pathways in murine peritoneal macrophages. Annual Conference on Military Perinatal Research, Aspen, CO, September, 1994. [6358]	Pr
Pedersen A, Hong T, Francis G: Tumor necrosis factor-A inhibits in vitro progesterone synethsis by JEG-3 choriocarcinoma cells. Meeting of the Endocrine Society, Anaheim, CA, June, 1994. [6308]	Pr
Pedersen A, Payne A, Abdel-rahim M, Francis G: Macrophage-conditioned media affects in vitro human chorionic gonadotropin by JEG-3 choriocarcinoma cells. Uniformed Services Section of the American Academy of Pediatrics, Seattle, WA, March, 1994. [6308]	Pr
Pedersen A, Taylor B, Payne M, Abdel-rahim M, Francis G: Macrophage conditioned media affects steroid hormone production by placental cultures. Ann Clin Lab Science 1994;24(6):548-54. [6308]	P
Pedersen A, Taylor B, Watson M, Moores R, Payne A, Abdel-rahim M, Francis G: Macrophage-conditioned media affects in vitro placental steroidogenesis. Meeting of the Endocrine Society, Las Vegas, NV, 1993. [6308]	Pr
Pedersen A, Taylor B, Watson M, Moores R, Francis G: Macrophage conditioned media stimulates in vitro placental production of prostaglandin E2. Uniformed Services Section of the Meeting of the American Academy of Pediatrics, San Antonio, TX, 1993. [6308]	Pr
Taylor B, Payne M, Abdel-rahim M, Watson M, Moores R, Francis G: Macrophage-conditioned media inhibits progesterone synethesis in short term placental organ culture. Uniformed Services Section of the Meeting of the American Academy of Pediatrics, San Antonio, TX, 1993. [6308]	Pr
Watson M, Newman R, Payne M, Abdel-rahim M, Francis G: The effect of macrophage conditioned media on leydig cell function. Ann Clin Lab Science 1993;24:84-95. [6257]	P
Weisman L, Anthony B, Hemming V, Fischer G: Comparison of group B streptococcal hyperimmune globulin and standard intravenously administered immune globulin in neonates. J Pediatr 1993;122:929-37. [6275]	P

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<u>CITATION</u> *	<u>TYPE</u> **
DEPARTMENT OF PEDIATRICS (continued)	
Welch C, Watson M, Poth M, Francis G: Evidence that nitric oxide is a previously unrecognized regulator of Leydig cell testosterone production. Uniformed Services Section of the Meeting of the American Academy of Pediatrics, Seattle, WA, March, 1994. [6257]	Pr
Welch C, Watson M, Poth M, Francis G: Evidence that nitric oxide is a previously unrecognized regulator of Leydig cell testosterone production. Proceedings of the Uniformed Services Section of the Meeting of the American Academy of Pediatrics, Seattle, WA, March, 1994. [6257]	Ab
Welch C, Watson M, Poth M, Francis G: Evidence that nitric acid is a previously unrecognized regulator of leydig cell steriodogenesis. Johnson Award Competition, Uniformed Services Section, American Academy of Pediatrics, Seattle, WA, March, 1994. [6257]	Pr
Wiswell T, Peabody S, Davis J, Slayter M, Bent R, Merritt T: Surfactant therapy and high-frequency jet ventilation in the management of a piglet model of the meconium aspiration syndrome. Pediatr Res 1994;36(4):494-500. [6300]	P
Wiswell T, Tencer H: What causes the color changes of meconium-stained amniotic fluid?. Pediatr Res 1994;35:261A. [6331]	Ab
DEPARTMENT OF PEDIATRICS Pediatric Hematology-Oncology Service	
Maybee D, Dubowy R, Pollock B, Lucas M, Weinstein H: Inadequacy of standard toxicity criteria in evaluating complications of high-dose alpha interferon in children with Ph+ chronic myelogenous leukemia. Proceedings of the American Society of Pediatric Hematology-Oncology, Chicago, IL, 1993;2:46(A). [6213]	Ab
Maybee D, Dubowy R, Pollock B, Lucas M, Weinstein H: Inadequacy of standard toxicity criteria in evaluating complications of high-dose alpha interferon in children with Ph+ chronic myelogenous leukemia. Meeting of the American Society of Pediatric Hematology-Oncology, Chicago, IL, 1993. [6213]	Pr

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<u>CITATION</u> *	TYPE*
PHYSICAL MEDICINE AND REHABILITATION SERVICE	
Beattie B: Descriptive analysis of a collaborative practice model developed by the Physical Medicine Therapy and Occupational Therapy Sections at Walter Reed Army Medical Center in response to Desert Shield/Storm contingencies. 9th Annual Physical Medicine and Rehabilitation Short Course, Washington, DC, 1993. [9623]	P
Braverman S, Belandres P: Intern perceptions of Physical Medicine and Rehabilitation. Arch Phys Med Rehabil 1993;74(11):1236. [9616]	Ab
Braverman S, Belandres P: Intern perceptions of Physical Medicine and Rehabilitation. 55th Annual Assembly of the American Academy of Physical Medicine and Rehabilitation, Miami, FL, November, 1993. [9616]	Pr
Braverman S: Intern perceptions of Physical Medicine and Rehabilitation. Clinical Investigator Recognition Seminar, Department of Clinical Investigation, Walter Reed Army Medical Center, Washington, DC, January, 1994. [9616]	Pr
Dillingham T, Spellman N, Belandres P: Trigeminal motor nerve conduction: deep temporal and mylohyoid nerves. Muscle and Nerve 1993;16(10):1115. [9624]	Ab
Dillingham T, Spellman N, Belandres P: Trigeminal motor nerve conduction: deep temporal and mylohyoid nerves. Annual Meeting of the American Association of Electrodiagnostic Medicine, New Orleans, LA, October, 1993. [9624]	Pr
Lauder T, Dillingham T, Huston C, Belandres P, Chang A: Lumbosacral radiculopathy screen: optimizing the number of muscles studied. Spring Meeting of the Association of Academic Physiatrists, Naples, FL, January, 1994. [9620]	Pr
Lauder T, Dillingham T, Huston C, Belandres P, Chang A: Lumbosacral radiculopathy screen: optimizing the number of muscles studied. Am J Phys Med Rehabil 1994;73(2):146. [9620]	Ab
Marin R, Dillingham T, Chang A, Belandres P: Extensor digitorum brevis deep tendon reflex in normals and patients with L5 and S1 radiculopathies. Arch Phys Med Rehabil 1993;74(11):1245. [9615]	Ab
Marin R, Dillingham T, Chang A, Belandres P: Extensor digitorum brevis deep tendon reflex in normals and patients with L5 and S1 radiculopathies. Annual Meeting of the American Academy of Physical Medicine and Rehabilitation, Miami, FL, November, 1993. [9615]	Pr

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CITATION*	TYPE**
PHYSICAL MEDICINE AND REHABILITATION SERVICE (continued)	
Mathias B, Dillingham T, Zeigler D, Chang A, Belandres P: Use of capsaicin in myofascial pain syndrome and fibromyalgia. Arch Phys Med Rehabil 1993;74(11):1264. [9617]	Ab
Mathias B, Dillingham T, Zeigler D, Chang A, Belandres P: Use of capsaicin in myofascial pain syndrome and fibromyalgia. Annual Meeting of the American Academy of Physical Medicine and Rehabilitation, Miami, FL, November, 1993. [9617]	Pr
DEPARTMENT OF PSYCHIATRY	
Erbe E: Compliance with referral from outpatient psychiatry: a study of the effect of greater referral specificity. Resident Research Presentations, Walter Reed Army Medical Center, Washington, DC, June, 1994. [7253]	Pr
Lande R: The art of crime. 7th MEDCOM Conference, Garmisch, Germany, April, 1994. [7249]	Pr
DEPARTMENT OF SURGERY Anesthesia-Operative Service	
Bettencourt J, Gordon J, Froelich E, Antoine J: A comparison between mannitol alone and mannitol plus furosemide on increasing serum osmolality during craniotomy. Anesthesiology 1994;81:A239. [2056A]	Ab
Boedeker B, Kline M, Mattix M, Dunn D, Haynes D, Mondy W, Kelly P, Lojeski E: Peripheral neurotoxicity of lecithin-coated tetracaine microcrystals. Anesthesiology 1993;79:A825. [2056A]	Ab
Burnham K, Boedeker B, Kline M, Mattix M, Long J, Calkins M, Rapacki T, Haynes D: Spinal cord toxicity of lecithin-coated tetracaine microcrystals in the rat. Reg Anes 1994;19(2S):45. [2056A]	Ab
Kline M, Boedeker B, Burnham K, Calkins M, Haynes D: Lecithin-coated bupivacaine microcrystals produce ultra long duration local anesthesia. Reg Anes 1994;19(2S):2. [2056A]	Ab
Kuzma P, Kline M, Boedecker B, Mattix M, Young P, Cobb J, Haynes D: Tissue toxicity of lecithin-coated bupivacaine microcrystals after intradermal infiltration. Anesthesiology 1994;81:A1034. [2056A]	Ab

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CITATION*	TYPE**
DEPARTMENT OF SURGERY Anesthesia-Operative Service (continued)	
Kuzma P, Kline M, Boedeker B, Haynes D: Microcrystals bupivacaine coated with lecithin produces ultra long duration local anesthesia in the rat tail. Anesthesiology 1994;81:A1033. [2056A]	Ab
DEPARTMENT OF SURGERY Army Audiology and Speech Center	
Beamer S, Walden B, Grant K: Hearing aid benefit for patients with high-frequency hearing impairment. Asha 1993;35(10):217. [2525]	Ab
Beamer S, Walden B, Grant K: Hearing aid benefit for patients with high-frequency hearing impairment. Annual Convention of the American Speech-Language-Hearing Association, Anaheim, CA, November, 1993. [2525]	Pr
Beamer S: Hearing aid benefit in patients with high frequency hearing loss. Military Audiology Short Course, Richmond, VA, April, 1994. [2525]	Pr
Beamer S: Hearing aid benefit for patients with high frequency hearing loss. British Society of Audiology Spring Meeting, Birmingham, England, April, 1994. [2525]	Pr
Beamer S: Hearing aid benefit for patients with high frequency hearing loss. Proceedings of the British Society of Audiology Spring Meeting, Birmingham, England, April, 1994. [2525]	Ab
Grant K, Walden B: Evaluating the articulation index for auditory-visual consonant recognition. Fall Meeting of the Acoustical Society of America, Denver, CO, October, 1993. [2528]	Pr
Leek M, Summers W, Jesteadt W: Additivity of notched-noise and broadband-noise masking in normal-hearing and hearing-impaired listeners. J Acoust Soc Am 1994;95:2993. [2598]	Ab
Leek M, Summers W, Jesteadt W: Additivity of notched-noise and broadband-noise masking in normal-hearing and hearing-impaired listeners. Spring Meeting of the Acoustical Society of America, Cambridge, MA, June, 1994. [2598]	Pr
Leek M, Summers W: Auditory filter shapes of normal-hearing and hearing-impaired listeners in continuous broadband noise. J Acoust Soc Am 1993;94:3127-37. [2598]	P

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CITATION*	TYPE**
DEPARTMENT OF SURGERY Army Audiology and Speech Center (continued)	
Leek M, Summers W: The effect of temporal waveform shape on spectral discrimination by normal-hearing and hearing-impaired listeners. J Acoust Soc Am 1993;94:2074-82. [2591]	P
McClean M, Clay J: Evidence for suppression of lip muscle reflexes prior to speech. Exper Brain Res 1994;97:541-4. [2518]	P
McClean M, Clay J: Lip motor unit activation and motor unit firing rates during simple speech utterances. Soc Neuroscience 1993;19:229.15. [2519]	Ab
McClean M, Clay J: Lip motor unit activation and motor unit firing rates during simple speech utterances. Annual Meeting of the Society for Neuroscience, Washington, DC, July, 1994. [2519]	Pr
McClean M, Clay J: Lip muscle activation and motor unit firing rates during simple speech utterances. Meeting of the Society for Neuroscience, Washington, DC, November, 1993. [2519]	Pr
McClean M, Levandowski D, Cord M: Timing of structural movements in the fluent speech of stutterers. Asha 1993;35:168. [2510]	Ab
McClean M, Levandowski D, Cord M: Timing of structural movements in the fluent speech of stutterers. Annual Convention of the American Speech-Language-Hearing Association, Los Angeles, CA, November, 1993. [2518]	Pr
McClean M, Levandowski D, Cord M: Timing of structural movements in the fluent speech of stutterers. Meeting of the American Speech-Language-Hearing Association, Los Angeles, CA, November, 1993. [2510]	Pr
McClean M, Levandowski D, Cord M: Intersyllabic movement timing in the fluent speech of stutterers with different disfluency levels. J Speech Hearing Res 1994;37:1060-66. [2510]	P
McClean M: Analysis of lip muscle reflexes during speech preparation in stutterers. Annual Convention of the American Speech-Language-Hearing Association, Los Angeles, CA, November, 1993. [2518]	Pr

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CITATION*	TYPE**
DEPARTMENT OF SURGERY Army Audiology and Speech Center (continued)	
Podraza B, Clay J, Leek M: The effect of closed-head injury on auditory information processing. Asha 1994;36:140. [2531]	Ab
Summers W, Leek M: Frequency glide discrimination in the F2 region by normal-hearing and hearing-impaired listeners. J Acoust Soc Am 1994;95:2993. [2524]	Ab
Summers W, Leek M: Frequency glide discrimination in the F2 region by normal-hearing and hearing-impaired listeners. Spring Meeting of the Acoustical Society of America, Cambridge, MA, June, 1994. [2524]	Pr
Summers W, Leek M: The internal representation of spectral contrast in hearing-impaired listeners. J Acoust Soc Am 1994;95(6):3518-28. [2515]	P
Summers W, Leek M: Frequency resolution and the detection of spectral contrast in hearing-impaired listeners. Fall Meeting of the Acoustical Society of America, Denver, CO, October, 1993. [2515]	Pr
Surr R, Cord M, Walden B: Comparison of linear Class D and K-Amp hearing aid fittings. 1994 Military Audiology Short Course, Richmond, VA, April, 1994. [2520]	Pr
DEPARTMENT OF SURGERY Ophthalmology Service	
Hollifield R, Cavallaro B, Ward T, Wertz F: Intraocular toxicity of the laser-absorbing dyes employed in ballistic and laser protective spectacles. Proceedings of the 1994 Annual Spring Meeting of the Association for Research in Vision and Ophthalmology, Sarasota, FL, May, 1994. [2318]	Ab
Hollifield R, Cavallaro B, Ward T, Wertz F: Intraocular toxicity of the laser-absorbing dyes employed in ballistic and laser protective spectacles. 1994 Annual Spring Meeting of the Association for Research in Vision and Ophthalmology, Sarasota, FL, May, 1994. [2318]	Pr

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CITATION*	<u>TYPE</u> **
DEPARTMENT OF SURGERY Orthopaedic Surgery Service	
Brown M, King N, Burge R, Popovic N, Van Dam B: The effect of extracorporeal shockwaves on bone and soft tissue in rabbits. Fairfax Hospital Orthopaedic Resident Research Conference, Fairfax, VA, 1993. [2435]	Pr
Brown M, King N, Burge R, Popovic N, Van Dam B: The effect of extracorporeal shockwaves on bone and soft tissue in rabbits. WRAMC Orthopaedic Research Day, Washington, DC, 1993. [2435]	Pr
Brown M, King N, Burge R, Popovic N, Van Dam B: The effect of extracorporeal shockwaves on bone and soft tissue in rabbits. Eastern Orthopaedic Association Meeting, Orlando, FL, October, 1993. [2435]	Pr
Brown M, King N, Burge R, Popovic N, Van Dam B: The effect of extracorporeal shockwaves on bone and soft tissue in rabbits. Meeting of the Society of Military Orthopaedic Surgeons, Bethesda, MD, December, 1993. [2435]	Pr
Cook J, Popovic N, Smith A: Carpal ligament injuries in intra-articular fractures of the distal radius. Orthopaedic Research Day, Walter Reed Army Medical Center, Washington, DC, 1993. [2451]	Ab
Cook J, Popovic N, Smith A: Carpal ligament injuries in intra-articular fractures of the distal radius. 35th Annual Meeting of the Society of Military Orthopaedic Surgeons, Bethesda, MD, December, 1993. [2451]	Pr
DeVries W, Popovic N, Xenos J, Chang A, Mulligan M, Hopkinson W: Evaluation of lateral ankle ligaments and effectiveness of ankle braces during rotational force across the tibiotalar joint. Meeting of the Eastern Orthopaedic Association, Orlando, FL, October, 1993. [2441]	Pr
DeVries W, Popovic N, Xenos J, Chang A, Mulligan M, Hopkinson W: Evaluation of lateral ankle ligaments and effectiveness of ankle braces during rotational force across the tibiotalar joint. Meeting of the Southern Orthopaedic Association, New Orleans, LA, October, 1993. [2441]	Pr

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CITATION*	<u>TYPE</u> **
DEPARTMENT OF SURGERY Orthopaedic Surgery Service (continued)	
DeVries W, Popovic N, Xenos J, Chang A, Mulligan M, Hopkinson W: Evaluation of lateral ankle ligaments and effectiveness of ankle braces during rotational force across the tibiotalar joint. Meeting of the Society of Military Orthopaedic Surgeons, Bethesda, MD, December, 1993. [2441]	Pr
DeVries W, Popovic N, Xenos J, Hopkinson W: Evaluation of the lateral ankle ligaments during rotational forces across the ankle joint. Orthopaed Trans 1994;18(1):186. [2441]	Ab
DeVries W, Xenos J, Popovic N, Mulligan M, Hopkinson W: Evaluation of the lateral ankle ligaments and effectiveness of ankle braces during rotational forces across the ankle joint. 3rd Annual Orthopaedic Research Day, Walter Reed Army Medical Center, Washington, DC, June, 1994. [2441]	Pr
DeVries W: Subtalar arthrodesis in the pediatric population, a long term follow-up study. Residents' Night Competition, Washington Orthopaedic Society, Washington, DC, 1993. [2447]	Pr
Deffer P, Popovic N, DeVries W, Cook J, Smith A: Carpal ligament injuries associated with fractures of the distal radius: a cadaver study. 3rd Annual Orthopaedic Research Day, Walter Reed Army Medical Center, Washington, DC, June, 1994. [2451]	Pr
Hansen M, Polly D, McHale K, Asplund L: A prospective evaluation of orthopedic patients evacuated from Operation Desert Shield and Desert Storm: the Walter Reed experience. Military Med 1994;159(5):376. [2457]	Ab
Johnson K, Popovic N, Linden C, Wilhelm G, McKinney L, Hollinger J: The osteoconductive potential of a polycaprolactone foam in the rat tibia. 3rd Annual Orthopaedic Research Day, Walter Reed Army Medical Center, Washington, DC, June, 1994. [2452]	Pr
Kilkelly F, Popovic N, Choma T, Miller D, Johnstone F, Sweet D: Tendon repair by laser welding: a biomechanical and histologic comparison of suture repair with CO2 and argon lasers. 3rd Annual Orthopaedic Research Day, Walter Reed Army Medical Center, Washington, DC, June, 1994. [2454]	Pr

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CITATION*	TYPE*
DEPARTMENT OF SURGERY Orthopaedic Surgery Service (continued)	
Kim C, McHale K: Immediate correction of cavus deformity. 1994 Meeting of the American Academy of Orthopaedic Surgeons, New Orleans, LA, March, 1994. [2447]	Pr
McHale K, DeVries W: Subtalar stabilization in progressive planovalgus deformity in children. Washington Orthopaedics Society Residents' Night, Washington, DC, February, 1993. [2447]	Pr
McHale K: Abnormal foot muscles in clubfoot deformity. Meeting of the American Academy of Orthopaedic Surgeons, New Orleans, LA, February, 1994. [2447]	Pr
McHale K: Anomalous Foot Muscles in clubfoot deformity. Meeting of the Pediatric Orthopaedic Society of North America, Memphis, TN, May, 1994. [2447]	Pr
Polly D, Miller D, Asplund L, Van Dam B: Thoracoplasty in adolescent idiopathic scoliosis: a cosmetic, non-morbid adjunct to posterior fusion. Annual Meeting of the Society of Military Surgeons, Bethesda, MD, December, 1993. [2448]	Pr
Pope R, Popovic N, McKinney L, Berrey B: The effect of extracorporeal shockwaves on the compartments in the rabbit leg. 35th Annual Meeting of the Society of Military Orthopaedic Surgeons, Bethesda, MD, December, 1993. [2445]	Pr
Popovic N, Deffer P, DeVries W, Miller D, Moore M, Cook J, Smith A: Study of experimentally-produced distal radius fractures and associated carpal ligament injuries: a cadaver model. 33rd Annual Meeting of the Carl E. Badgley Lectureship, University of Michigan, Ann Arbor, MI, September, 1994. [2451]	Pr
Stuart J, Popovic N, Whippo P: The efficacy of delayed application of topical cefazolin in contaminated open fractures treated with early interval fixation. 3rd Annual Orthopaedic Research Day, Walter Reed Army Medical Center, Washington, DC, June, 1994. [2437]	Pr
Stuart J, Uhorchak J, Borden P, Hopkinson W: The efficacy of different techniques for disinfecting contaminated osteoarticular fragments and bone tendon grafts. Annual Meeting of the Eastern Orthopaedic Association, Lake Buena Vista, FL, October, 1993. [2440]	Pr

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CITATION*	TYPE**
DEPARTMENT OF SURGERY Orthopaedic Surgery Service (continued)	
Stuart J, Uhorchak J, Borden P, Hopkinson W: The efficacy of different techniques for disinfecting contaminated osteoarticular fragments and bone tendon grafts. Annual Meeting of the American Academy of Orthopaedic Surgeons, New Orleans, LA, February, 1994. [2440]	Pr
Stuart J, Uhorchak J, Borden P, Hopkinson W: The efficacy of different techniques for disinfecting contaminated osteoarticular fragments and bone tendon grafts. 35th Annual Meeting of the Society of Military Orthopaedic Surgeons, Bethesda, MD, December, 1993. [2440]	Pr
Xenos J, Hopkinson W, Mulligan M, Olson E, Popovic N: The distal tibiofibular syndesmosis: evaluation of the ligamentous structures and radiographic assessment. 60th Annual Meeting of the American Academy of Orthopaedic Surgeons, San Francisco, CA, 1993. [2432]	Pr
Xenos J, Hopkinson W, Mulligan M, Olson E, Popovic N: Tibiofibular syndesmosis: evaluation of the ligamentous structures and radiographic assessment. 1993 Specialty Day Meeting, The American Academy for Sports Medicine, San Francisco, CA, 1993. [2432]	Pr
Xenos J, Hopkinson W, Mulligan M, Olson E, Popovic N: The distal tibiofibular syndesmosis: evaluation of ligamentous structures and methods of fixation. Annual Meeting of the American Orthopaedic Society for Sports Medicine, Sun Valley, ID, 1993. [2432]	Pr
Xenos J, Hopkinson W, Mulligan M, Olson E, Popovic N: Evaluation of ligamentous structures and methods of fixation. 39th Annual Meeting of the Orthopaedic Research Society, San Francisco, CA, 1993. [2432]	Pr
Xenos J, Hopkinson W, Mulligan M, Olson E, Popovic N: The distal tibiofibular syndesmosis: evaluation of the ligamentous structures, methods of fixation, and radiographic assessment. Orthopaed Trans 1993;17(2):515. [2432]	Ab
Xenos J, Hopkinson W, Mulligan M, Olson E, Popovic N: The distal tibiofibular syndesmosis: evaluation of ligamentous structures and methods of fixation. Orthopaed Trans 1993;17(1):138. [2432]	Ab
Xenos J, Hopkinson W, Mulligan M, Olson E, Popovic N: The tibiofibular syndesmosis: evaluation of the ligamentous structures and methods of fixation. 19th Annual Meeting of the American Orthopaedic Society for Sports Medicine, Sun Valley, ID, 1993. [2432]	Pr

^{*} Number in [] is the protocol number. ** P = publication, Ab = abstract, Pr = presentation 133

<u>CITATION</u> *	TYPE**
DEPARTMENT OF SURGERY Orthopaedic Surgery Service (continued)	
Xenos J: The tibiofibular syndesmosis: evaluation of the ligamentous structures, methods of fixation and radiographic assessment. Hufnagel Award recipient, Uniformed Services University of the Health Sciences, Bethesda, MD, 1993. [2432]	Pr
DEPARTMENT OF SURGERY Urology Service	
Lewis D, Sesterhenn I, Moul J: Immunohistochemical expression of p53 tumor suppressor gene protein in clinical stage I testicular nonseminoma correlates with occult disease. Proceedings of the American Association of Cancer Research 1993;34:518(#3090). [2873]	Ab
Lewis D, Sesterhenn I, Moul J: Immunohistochemical expression of P53 tumor suppressor gene protein in clinical stage I testicular nonseminoma correlates with occult disease. Procedings of Amer Assoc Can Res 1993;34:518. [2873]	Ab
Lewis D: Immunohistochemical expression of p53 tumor suppressor gene protein in adult germ cell tests tumors. Clinical Investigator Recognition Seminar, Department of Clinical Investigation, Walter Reed Army Medical Center, Washington, DC, December, 1993. [2873]	Pr
Lewis D: Immunohistochemical expression of p53 tumor suppressor gene protein in adult germ cell tests tumors. Annual Meeting of the American Urological Association, San Antonio, TX, 1993. [2873]	Pr
Lewis D: P53 tumor suppressor gene expression in germ cell testis tumors. Meeting of the Washington Urological Society, Washington, DC, 1993. [2873]	Pr
Lewis D: P53 tumor suppressor gene expression in germ cell testis tumors. 13th Annual Surgical Associates Day of the Uniformed Services University of the Health Sciences, Bethesda, MD, 1993. [2873]	Pr
Lewis D: Immunohistochemical analysis of P53 tumor suppressor gene product in germ cell testis tumors: clinical correlation. Meeting of the American Urological Association's Society of Basic Urologic Research, San Antonio, TX, 1993. [2873]	Pr

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CITATION*	<u>TYPE</u> **
DEPARTMENT OF SURGERY Urology Service (continued)	
Lewis D: Immunohistochemical expression of P53 tumor suppressor gene protein in adult germ cell testis tumors: clinical correlation in stage I disease. Meeting of the Mid-Atlantic Section of the American Urological Association, Palm Beach, FL, 1993. [2873]	Pr
Mostofi F, Sesterhenn I, Lewis D, Moul J: P53 tumor suppressor protein immunohistochemical analysis in testicular germ cell tumors. Lab Invest 1993;68(1):A65. [2873]	Ab
Moul J, Kurnot R, Bishoff J, Theune S, Bryan M: Oncogenes and tumor suppressor genes in urologic oncology. In: Rous S, ed. 1993 Urology Annual. New York, NY: Norton, 1993:139-70. [2873]	P
Moul J: Cathepsin-D expression in prostate cancer. 51st Mid-Atlantic American Urological Association Meeting, Palm Beach, FL, 1993. [2877]	Pr
Moul J: Cathepsin-D expression in clinically localized adenocarcinoma of the prostate. 41st James C. Kimbrough Urological Seminar, San Diego, CA, October, 1993. [2877]	Pr
Moul J: Immunohistochemical expression of P53 tumor suppressor gene protein in clinical stage I testicular nonseminoma correlates with occult disease. 84th Annual Meeting of the American Association for Cancer Research, Orlando, FL, 1993. [2873]	Pr
IRELAND AH, FORT KNOX, KY	
Zuehlke R, Kerns H, Greenwell H, Yancey J: The effect of antituberculosis drugs on human gingival indices: a pilot study. United States Army Dental Activity, Fort Knox, KY, 1993. [8101]	Pr

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ADDENDUM PUBLICATIONS/PRESENTATIONS BY DEPARTMENT/SERVICE AND AUTHOR FROM PROTOCOLS CLOSED PRIOR TO FY-94

CITATION*	Type*
DEPARTMENT OF MEDICINE Cardiology Service	
Campos-Esteve M, Laird J, Kufs W, Wortham D: Side-branch occlusion with directional coronary atherectomy: incidence and risk factors. Amer Heart J 1994;128(4):686-90. [1027]	P
DEPARTMENT OF MEDICINE Endocrine-Metabolic Service	
Carr F, Fisher C, Fein H, Smallridge R: Thyrotropin-releasing hormone stimulates c-jun and c-fos messenger ribonucleic acid levels: implications for calcium mobilization and protein kinase-C activation. Endocrinol 1993;133:1700-6. [1393]	P
<pre>Carr F, Reid A, Wessendorf M: A cryptic peptide from the preprothyrotropin-releasing hormone precursor stimulates thyrotropin gene expression. Endocrinol 1993;133(2):809-14. [1393]</pre>	P
Carr F, Wong N: Characteristics of a negative thyroid hormone response element. J Biol Chem 1994;269:4175-9. [1393]	P
Duncan W: Do self-efficacy beliefs predict diabetes self-care? 75th Annual Meeting of the Endocrine Society, Las Vegas, NV, 1993. [1317]	Pr
Glass A, Kikendall J, Sobin L, Bowen P: Serum concentrations of insulin-like growth factor 1 in colonic neoplasia. Acta Oncol 1994;33:70-1. [1450]	P
Glass A, Kikendall J, Sobin L, Bowen P: Serum 25-hydroxyvitamin D concentrations in colonic neoplasia. Horm Metab Res 1993; 25:397-8. [1414]	P
Solomon B, Fein H, Smallridge R: Usefulness of antimicrosomal antibody titers in the diagnosis and treatment of postpartum thyroiditis. J Fam Prac 1993;36(2):177-82. [4221]	P
Solomon B, Schaaf M, Smallridge R: Psychologic symptoms before and after parathyroid surgery. Am J Med 1994;96:101-7. [1377]	P
Tseng Y, Lahiri S, Nicholson D, Wartofsky L: Evidence of an association of endothelin-1 receptor expression to the active growth phase of the cell cycle and identification of endothelin-1 mRNA in FRTL5 cells. American Thyroid Association Annual Meeting, Tampa FL, November, 1993. [1399]	Pr

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A D D E N D U M PUBLICATIONS/PRESENTATIONS BY DEPARTMENT/SERVICE AND AUTHOR FROM PROTOCOLS CLOSED PRIOR TO FY-94

CITATION*	Type**
DEPARTMENT OF MEDICINE Gastroenterology Service	
Cremins J, Salata K, Kikendall J, Hershey J, Nair P, Wong R: Colonocyte expression of CD and HLA markers in patients with normal and neoplastic colons. Gastro 1994;106(4):A379. [1414]	Ab
Cremins J, Salata K, Kikendall J, Hershey J, Nair P, Wong R: PNA- binding to isolated colonocytes may diagnose colon carcinoma. Gastro 1994;106(4):A379. [1414]	Ab
Cremins J, Salata K, Kikendall J, Hershey J, Nair P, Wong R: PNA binding to isolated colonocytes may diagnose colon carcinoma. 95th Annual Meeting of the American Gastroenterologic Association, New Orleans, LA, May, 1994. [1414]	Pr
Gilchrist W, Burkhalter E, Eaton C, Schaudies R, Maydonovitch C, Andrada F, Abdel-Rahim M, Wong R: The effect of indomethacin on the secretion of human salivary epidermal growth factor. Am J Gastro 1994;89(1)97-100. [1496]	P
Kikendall J, Glass A, Sobin L, Bowen P: Serum gastrin is not higher in subjects with colonic neoplasia. Am J Gastroenterol 1994; 87(10):1394-7. [1414]	P
Moses F: Gastrointestinal bleeding and the athlete. Am J Gastroenterol 1993;88(8)1157-9. [2031]	P
Moses F, Stamm C, Peller P, Larsen B, Peller T, Brewer T: Oral low-dose pulse methotrexate in primary sclerosing cholangititis: an open-label trial. American College of Gastroenterology Annual Meeting, New York, NY, October, 1993. [1419]	Pr
Murphy J, Maydonovitch C, Phillips R, Luk G, Tang D, Wong R: Omeprazole-induced hypergastrinemia does not increase colonic proliferation. American Gastroenterology Association Annual Meeting, Boston, MA, 1993. [1401]	Pr
Murphy J, Maydonovitch C, Phillips R, Luk G, Tang D, Wong R: Omeprazole-induced hypergastrinemia does not increase colonic proliferation. 21st Annual William Beaumont Gastrointestinal Symposium of the Army Regional American College of Physicians, Orlando, FL, November, 1993 [1401]	Pr

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A D D E N D U M PUBLICATIONS/PRESENTATIONS BY DEPARTMENT/SERVICE AND AUTHOR FROM PROTOCOLS CLOSED PRIOR TO FY-94

CITATION* Type** DEPARTMENT OF MEDICINE Gastroenterology Service (continued) Murphy J, Schaaf M, Luk G, Kikendall J, Tang D, Maydonovitch C, Wong R: Mucosal proliferation is increased in patients with active acromegaly. 21st Annual William Beaumont Gastrointestinal Symposium of the Army Regional American College of Physicians, Orlando, FL, November, 1993 [1416] Nelson R, Davis F, Sutter E, Sobin L, Kikendall J, Bowen P: Body iron stores and risk of colonic neoplasia. J Nat Cancer Inst 1994; 86(6):455-60. [1414] Nelson R, Davis F, Bowen P, Sutter E, Kikendall J: Body iron stores Pr and the risk of colonic neoplasia. 21st Annual William Beaumont Gastrointestinal Symposium of the Army Regional American College of Physicians, Orlando, FL, November, 1993 [1414] Phillips R, Kidendall J, Luk G, Willis S, Murphy J, Maydonovitch C, Bowen P, Stacewicz-Sapuntzakis M, Wong R: ß-Carotene inhibits rectal mucosal ornithine decarboxylase activity in colon cancer patients. Cancer Res 1993;53;3723-5. [1495] Smith M, McNally P, Dadakia S, Maydonovitch C, Wong R: Esophageal Prmucosal zinc levels significantly decrease following healing of esophagitis. Annual Meeting of the American Gastroenterology Association, Boston, MA, 1993. Smith M, McNally P, Dadakia S, Maydonovitch C, Wong R: Esophageal Pr mucosal zinc levels significantly decrease following healing of esophagitis. 21st Annual William Beaumont Gastrointestinal Symposium of the Army Regional American College of Physicians, Orlando, FL, November, 1993. [1487] DEPARTMENT OF MEDICINE General Medicine Service Kroenke K, Lucas C, Rosenberg M, Scherokman B: Psychiatric Ρ disorders and functional impairment in patients with persistent dizziness. J Gen Intern Med 1993;8:530-5. Kroenke K, Price R: Symptoms in the community: prevalence, P classification, and psychiatric comorbidity. Arch Intern Med 1993;153:2474-80. [1027] Parker J, Landry F, Phillips Y: Use of do-not-resuscitate orders in Ρ an intensive care setting. Chest 1993;104:1592-6. [1735]

138

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Type**

CITATION* DEPARTMENT OF MEDICINE General Medicine Service (continued) Reed W, Herbers J, Noel G: Cholesterol-lowering therapy: what patients expect in return. J Gen Intern Med 1993;8:591-6. [1721] DEPARTMENT OF MEDICINE Hematology-Oncology Service Antman K, Crowley J, Balcerzak S, Rivkin S, Weiss G, Elias A, Natale R, Cooper M, Barlogie B, Trump D, Doroshow J, Aisner J, Pugh R, Weiss G, Cooper B, Clamon G, Baker L: An intergroup phase III randomized study of doxorubicin and dacarbazine with or without ifosfamide and mesna in advanced soft tissue and bone sarcomas. J Clin Oncol 1993;11:1276-85. [1564] Peele M, Carr F, Baker J, Wartofsky L, Burman D: TSH ß subunit gene P expression in human lymphocytes. Amer J Med Sci 1993;305:1-7. [1392] Peters W, Ross M, Vredenburgh J, Meisenberg B, Marks L, Winer E, P Kurtsburg J, Bast R, Jones R, Shpall E, Wu K, Rosner G, Gilbert C, Mathias B, Coniglio D, Petros W, Henderson I, Norton L, Weiss R, Hurd D: High-dose chemotherapy and autologous bone marrow support as consolidation after standard dose adjuvant therapy for high-risk primary breast cancer. J Clin Oncol 1993;11: 1132-43. [1547] Reid T, Greilich P, Carr M, Alving B: Quantitative clot retraction: Ab a method for assessing the function of fresh and stored platelets and GPIIb/IIIa receptors. Blood 1994;99:A100. [2072A] Vukelja S, Krishnan J, Diehl L: Mean platelet volume improves upon the megathrombocyte index but cannot replace the blood film examination in the evaluation of thrombocytopenia. Am J Hematol 1993;44:89-94. [1647] Weiss R, Peterson B, Allen S, Browning S, Duggan D, Schiffer C: A P phase II trial of didemnin B in myeloma. A Cancer and Leukemia Group B (CALGB) study. Investigat New Drugs 1994;12:41-3. [1593]

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CITA	TION*	Type'
	RTMENT OF MEDICINE ulmonary Disease Service	
Argy	ros G: Presentation of carcinoma metastatic to the thorax and diagnosis with fiberoptic bronchoscopy. Department of Clinical Investigation Recognition Seminar, Walter Reed Army Medical Center, Washington, DC, 1993. [1756]	Pr
Argy	ros G, Torrington K: Fiberoptic bronchoscopy in the evaluation of newly diagnosed esophageal carcinoma. Am J Resp Crit Care Med 1994;149:A164. [1756]	Ab
Argyı	ros G, Torrington K: Fiberoptic bronchoscopy in the evaluation of newly diagnosed esophageal carcinoma. American Lung Association/American Thoracic Society 1994 International Conference, Boston, MA, May, 1994. [1756]	Pr
Argyı	os G, Torrington K: Fiberoptic bronchoscopy in the evaluation of carcinoma metastatic to the lung. Chest 1994;105:454-7. [1756]	P .
Argyr	cos G, Roach J, Hurwitz K, Eliasson A, Phillips Y: The refractory period after eucapnic voluntary hyperventilation and its effect on challenge technique. Army American College of Physicians Annual Meeting, Orlando, FL, November, 1993. [1755]	Pr
Dilla	rd T, Hnatiuk O: Estimation of maximum achievable ventilation using forced expiratory flows in COPD patients. Am Rev Respir Disease 1993;147(4):A865. [1717]	Ab
Eisen	hauer M, Eliasson A, Taylor A, et al.: Incidence of cardiac arrhythmias during intravenous pentamidine therapy in HIV- infected patients. Chest 1994;105:389-95. [1738]	P
Eisen	hauer M: Risk and incidence of cardiac arrhythmias during intravenous pentamidine therapy in HIV-infected patients. Department of Clinical Investigation Recognition Seminar, Walter Reed Army Medical Center, Washington, DC, 1993. [1738]	Pr
Hnati	uk O, Pike J, Stoltzfus D, Lane W: Value of bedside plating of semiquantitative cultures for diagnosis of central venous catheter-related infections in ICU patients. Chest 1993;103: 896-9. [3006]	P
Leple	r L, Eliasson A, Fishbach N: Should all bronchogenic cysts be removed? DC Thoracic Society Regional Meeting, Washington, DC, April, 1994. [1765]	P

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140

A D D E N D U M PUBLICATIONS/PRESENTATIONS BY DEPARTMENT/SERVICE AND AUTHOR FROM PROTOCOLS CLOSED PRIOR TO FY-94

DEPARTMENT OF MEDICINE Pulmonary Disease Service (continued)
Roach J, Eliasson A, Phillips Y: The effect of pyridostigmine on P bronchial hyperreactivity. Chest 1993;103:1755-8. [1742]
Torrington K, Kern J: The utility of fiberoptic bronchoscopy in the evaluation of the solitary pulmonary nodule. Chest 1993;104: 1021-4. [1748]
NEUROLOGY SERVICE
Jabbari B, Coats M, Salazar A, Martin A, Scherokman B, Law W: Longitudinal study of EEG and evoked potentials in neurologically asymptomatic HIV-infected subjects. EEG & Clin Neurophysiol 1993;86:145-51. [7128]
Kraft J, Schwab K, Salazar A, Brown H: Occupational and educational P achievements of head-injured Vietnam veterans at 15-year follow-up. Arch Phys Med & Rehab 1993;74:596-601. [9200]
Law W, Martin A, Salazar A, Mapou R: Symptoms of depression in HIV-infected individuals: etiological considerations. Neuropsych, Neuropsychol, & Behav Neurol 1993;6(3):181-6. [7128]
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Gurney	C: Adaptation of medical personnel to combat. National Institute for Nursing Research, Cannon Senate Building, Washington, DC, September, 1994.	Pr
Gurney	C: Determinants of stress and adaptation of Army Medical Medical Department personnel during Operations Desert Shield/Storm, Phyllis J. Verhonick Research Conference, Denver, CO, June, 1994.	Pr
Reeder	J: Ethically responsible research. Phyllis J. Verhonick Research Conference, Denver, CO, June, 1994.	Pr
Reeder	J: Families, grief and trauma. Trauma Nursing Grand Rounds, Beth Israel Hospital, Boston, MA, September, 1994.	Pr
Reeder	J: Nurses' knowledge and attitudes about AIDS: a research critique med-surg update, Walter Reed Army Medical Center, Washington, DC, May, 1994.	Pr
Reeder	J, Hamblet J, Killen A, King C, Uruburu A: Nurses' knowledge, attitudes, about HIV, AIDS: a replication study. AORN J 1994; 59(2)450-66.	P
Reeder	J, King C: Societal and ethical challenges have impact on perioperative trauma nursing. Int J Trauma Nursing 1994;11-14.	P
Southb	y J: Leadership keynote address, Kappa Chapter, Sigma Theta Tau International Society of Nursing Induction Ceremony, The Catholic University of America, Washington, DC, April, 1994.	Pr
Southb	y J: Regional HSSA activities. 1994 Senior Leaders' Conference, Denver, CO, July, 1994.	Pr
Weitze	l M, Hudak J, Becker H, Waller P, Stuifbergen A: An exploratory analysis of health-promotion beliefs and behaviors among white, hispanic, and black males. Family & Community Health 1994;17(3) 23-24.	

^{*} P = publication, Ab = abstract, Pr = presentation

CITATION	Type'
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Pollack G: Access to health care. 10th Annual Mary Kline Lecture Series, West Chester University, West Chester, PA, October, 1993.	Pr
Pollack G: Communicating with difficult colleagues. Annual Post- Graduate Anesthesia Practice Seminar, San Antonio, TX, May, 1994.	Pr
Pollack G: Nursing 2000. Nursing Department, Messiah College, PA, December, 1993.	Pr
Pollack G: Women's health issues and health promotion. 7th Medical Command Nursing Conference, Passau, Germany, January, 1994.	Pr
Porter C: Communicating with difficult colleagues. Annual Post- Graduate Anesthesia Practice Seminar, San Antonio, TX, May, 1994.	Pr
Rutkowski D: Anesthesia nursing under combat conditions in Somalia. Annual Post-Graduate Anesthesia Practice Seminar, San Antonio, TX, May, 1994.	Pr
Rutkowski D: Anesthesia nursing under combat conditions in Somalia. Nursing Education Grand Rounds, Walter Reed Army Medical Center, Washington, DC, April, 1994.	Pr
Rutkowski D: Army nursing and CRNA's. Lower Alabama Association of Nurse Anesthetists, Gulf Shores, AL, April, 1994.	Pr
Rutkowski D: Army nursing and CRNA's. Pennsylvania State College of Nursing, Pittsburgh, PA, May, 1994.	Pr
DEPARTMENT OF OBSTETRICS AND GYNECOLOGY	
Boley T, Markenson G, Maslow A, Koppelman J, Read J: Optimizing the dual perfusion cotyledon model: is estradiol and progesterone necessary? Armed Forces District of the American College of Obstetricians and Gynecologists Conference, Seattle, WA, November, 1993.	Pr
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CITATION	Type*
DEPARTMENT OF OBSTETRICS AND GYNECOLOGY (continued)	
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Phelps J, Ward J, Szigeti J, Hawley-Bowland C, Mayer A: Significance of cervical conization margins as a predictor of residual dysplasia in post cone hysterectomy specimens. Obstet & Gyn 1994;84:128-30.	P
DEPARTMENT OF PATHOLOGY AND AREA LABORATORY SERVICES	
Dow N, Gallasch K: Comparison of CD45/CD13 gated results vs CD45/CD14 gated results in lymphocyte subset testing. Proceedings of Clinical Cytometry Society 9th Annual Meeting, September 1994.	Ab
Dow N, Gallasch K: Comparison of CD45/CD13 gated results vs CD45/CD14 gated results in lymphocyte subset testing. Clinical Cytometry Society 9th Annual Meeting, September 1994.	Pr
Fielding C, et al.: Recently described entities in oral maxillofacial pathology, Part I: Lesions of odontogenic and salivary origin. Naval Dental Corps Clinical Update 1994;16(4).	P
Griffin G, Lippert L, Dow N, Berger T, Hickman M, Salata K: A flow cytometric method for phenotyping recipient red cells following transfusion. Transfusion 1994;34:233-7.	P
Ladwig M: Subcutaneous administration of Rho gam (anti-D). Proc of the American Association of Blood Banks Annual Meeting, Los Angeles, CA, October, 1993.	Ab
Ladwig M: Subcutaneous administration of Rho gam (anti-D). American Association of Blood Banks Annual Meeting, Los Angeles, CA, October, 1993.	Pr
Mellen P: Renal cell carcinoma in a 3 year old. J Neurol Orthopaedic Med Surg.	P

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CITATION	Type*
DEPARTMENT OF PATHOLOGY AND AREA LABORATORY SERVICES (continued)	
Rueda-Pedraza E: Pediatric perinatal neuropathology: Armed Forces Institute of Pathology Long Course in Neuropathology, Washington DC, September, 1994.	Pr
Rueda-Pedraza E, Mena H, Armonda R, Ribas J, Abbondanza S: Central nervous system meningiomas in the first two decades of life: a study of 67 neoplasms in 65 patients. Brain Pathology 1994; 4:442.	Ab
Rueda-Pedraza E, Mena H, Armonda R, Ribas J, Abbondanza S: Central nervous system meningiomas in the first two decades of life: a study of 67 neoplasms in 65 patients. XIIth International Congress of Neuropathology, Toronto, Canada, September, 1994.	Pr
Schenkman N, Moul J, Nicely E, Maggio M, Ho C: Synchronous bilateral testis tumor: mixed germ cell and theca cell tumors. Urology 1993;42(5):593-5.	P
Wilson R: Biphasic synovial sarcoma. College of American Pathologist American Pathologist Improvement Program, 1994, Cycle D, Case# 94-39.	P
Wilson R: Immature teratoma, high grade, ovary: College American Pathologist Improvement Program, 1994, Cycle B, Case #94-14.	P
DEPARTMENT OF PEDIATRICS Pediatric Gastroenterology and Nutrition	
Devoid D, Minkoff H, Goedert J, Biswas R, Di Bisceglie A. Perinatal transmission of hepatitis C virus. Annual Meeting, North American Society for Pediatric Gastroenterology and Nutrition, Chicago, IL, November, 1993.	Pr
Goldhill J, Morris S, Finkelman F, Pineiro-Carrero V, Shea-Donohue T: Interleukin (IL)-4 alters neural control of mouse small intestinal longitudinal muscle. Gastroenterology 1994;107:1232.	Ab
Goldhill J, Morris S, Finkelman F, Pineiro-Carrero V, Shea-Donohue T: Interleukin (IL)-4 alters neural control of mouse small intestinal longitudinal muscle. American Motility Society Biennial Meeting, Wintergreen, VA, October, 1994.	Pr
Goldhill J, Pineiro-Carrero V, Sjogren R, Shea-Donohue T: Tachykinin- mediated intestinal contraction is increased in experimental ileitis. Annual Meeting of the American Gastroenterological Association, New Orleans, LA, May, 1994	Pr

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CITATION	'ype
DEPARTMENT OF PEDIATRICS Pediatric Gastroenterology and Nutrition (continued)	
Goldhill J, Pineiro-Carrero V, Sjogren R, Shea-Donohue T. Tachykinin-mediated intestinal contraction is increased in experimental ileitis. Gastroenterology 1994;106:A504.	Ab
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Pineiro-Carrero V, Goldhill J, Sjogren R, Shea-Donohue T. Experimental ileitis increases the contractile response to NK1 but not to KN2 agonists. American Motility Society Biennial Meeting, Wintergreen, VA, October, 1994.	Pr
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Pineiro-Carrero V, Sjogren R, Shea-Donohue T: Smooth muscle contractility during acute enteric inflammation in two experimental models of acute ileitis. Pediatr Res 1993;33: 107A.	Ab
Pineiro-Carrero V, Sjogren R, Shea-Donohue T: Smooth muscle contractility during acute enteric inflammation in two experimental models of acute ileitis. Society for Pediatric Research Annual Meeting, Washington, DC, May, 1993.	Pr
Shea-Donohue T, Morris S, Finkelman F, Pineiro-Carrero V, Goldhill J: Effect of interleukin (IL-4) alters neural control of mouse small intestinal longitudinal muscle. American Motility Society Biennial Meeting, Wintergreen, VA, October, 1994.	Pr

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ADDENDUM

CITATION	Type*
DEPARTMENT OF PEDIATRICS Pediatric Gastroenterology and Nutrition (continued)	
Shea-Donohue T, Morris S, Finkelman F, Pineiro-Carrero V, Goldhill J: Effect of interleukin (IL-4) alters neural control of mouse small intestinal longitudinal muscle. Gastroenterology 1994; 106:A772.	Ab
Shea-Donohue T, Morris S, Finkelman F, Pineiro-Carrero V, Goldhill J: Effect of interleukin (IL-4) on gastrointestinal transit and leukotrienes. American Motility Society Biennial Meeting, Wintergreen, VA, October, 1994.	Pr
Shea-Donohue T, Morris S, Finkelman F, Pineiro-Carrero V, Goldhill J: Effect of interleukin (IL-4) on gastrointestinal transit and leukotrienes. Gastroenterology 1994;107:1232.	Ab
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Sjogren R, Colleton C, Pineiro V, Goldhill J, Shea-Donohue T: Capsaicin effect on the myoelectric and inflammatory responses to acute ricin-induced enteritis. Annual Meeting, American of the American Gastroenterological Association, New Orleans, LA, May, 1994.	Pr
Sjogren R, Colleton C, Pineiro V, Goldhill J, Shea-Donohue T: Capsaicin effect on the myoelectric and inflammatory responses to acute ricin-induced enteritis. Gastroenterology 1994;106: A504.	Ab
DEPARTMENT OF PEDIATRICS Pediatric Hematology/Oncology Service	
Cooper L, Billups L, Burgess D, Pryzbylik J, Maybee D, Salata K: Lysis method to assist phenotyping of chronically transfused sickle cell anemia patients, utilizing flow cytometry. Blood 1993;82(10)(suppl 1):A2336.	Ab
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Type*

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	Herden M, De Bauche D: Detection of the Mbcr-abl rearrangement of the rearrangement by interphase-fluorescent in-situ hybridization in Philadelphia chromosome positive leukemia. Blood 1993;Abstract# 401-1882.	Ab
	Herden M, De Bauche D: Detection of the Mbcr-abl rearrangement by interphase-fluorescent in-situ hybridization in Philadelphia chromosome positive leukemia. Proceedings of the Greenwood Genetics Center 1994;13.	P
	Lentz L, Grayson M, North E, Herden M, Bock H, DeBauche D: A case of 9 _{pe} syndrome due to a 45,XY,-9/46,XY,r(9)(p22q34) karyotype. Proceedings of the Greenwood Genetics Center 1994;13.	P
	Morrison F, Herden M, Lee D: Pediatric therapeutic hemapheresis. Transfusion Med 1993; 3(suppl 1):34.	Ab
	Mosijczuk A: Methods of clinical trials in pediatric oncology. Proceedings of the 5th Annual Congress of the World Federation of Ukrainian Medical Association 1994;A504.	Ab
	Mosijczuk A: Methods of clinical trials in pediatric oncology. World Federation of Ukrainian Medical Association 5th Annual Congress, 1994.	Pr
	PHARMACY SERVICE	
-	Howe J, Green D: A pharmacoeconomic analysis of doxicurium chloride in extended cardiothoracis surgical procedures. Eastern States Pharmacy C Conference, Baltimore, MD, April, 1994.	Pr
	Strickland W: A DUE of filgrastim (G-CSF) in the adult oncology outpatient setting. Eastern States Pharmacy Conference, Baltimore, MD, April, 1994.	Pr
	PHYSICAL MEDICINE AND REHABILITATION SERVICE	
	Henderson N, Metzger D: U.S. Army rehabilitation advisors in El Salvador. Mil Med 1994:159.	P
	Marin R, Bryant P, Eng G: Lumbosacral plexopathy temporally related to vaccination. Clin Ped 1994; March: 175-7.	P

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ADDENDUM

CITATION	Type*
PHYSICAL MEDICINE AND REHABILITATION SERVICE (continued)	
Robinson M, Braverman S: Exercise: principles, methods, and prescription. In: Buschbacher R, ed. Musculoskeletal disorders: a practical guide for diagnosis and rehabilitation. Andover Medical Publishers, Boston, 1994.	P
DEPARTMENT OF PSYCHIATRY	
Armstrong S: Psychological aspects of trauma in the military. American Group Psychotherapy Association National Meeting, Washington, DC, 1994.	Pr
Armstrong S, Grieger T, Cozza K: Treatment of Parkinson's disease. NEJM 1994;330(9)643-4.	P
Clawson L: Substance abuse and sexual activity in an overseas population of adolescent military dependents. Mil Med 1994; 159(3):192-5.	P
Dougherty D, Warden D, Pyne M, Salazar A: Post-traumatic hemipares complicating moderate TBI. Neurology 1994;44(2):A226.	Ab
Doyle M, Jabbari B: Hypertrophic branchial myopathy treated with botulism toxin type A. Neurology 1994;44:1765-6.	P
Edison D: The Walter Reed Adolescent Inpatient Psychiatry Unit - the first year. U.S. Army Psychiatry Conference, San Antonio, TX, March-April, 1994.	Pr
Grieger T: Ethics of combat psychiatry. Amer J of Psychiatry 1994; 151(6)949.	P
Labbate L: Outcome of one versus two weeks phototherapy in SAD. American Psychiatric Association Annual Meeting, 1994; NR174.	Ab
Labbate L, Lafer B, Sachs G: Bright light treatment induced side effects in seasonal affective disorder. J of Clin Psychiatry 1994;55:189-91.	P
Labbate L, Pollack M, Otto M, Rosenbaum J: Sleep panic attacks: an association with childhood anxiety and adult psychopathology. Biol Psychiatry 1994;36:57-60.	P
Labbate L, Pollack M, Tesar G, Rosenbaum J: The relationship of alprazolam and clonazepam dose to steady-state plasma concentration. American Psychiatric Association Annual Meeting, 1994;NR176.	Ab

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CITATION	Type*
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Lafer B, Sachs G, Labbate L: A comparison of three schedules of phototherapy in SAD. Am J of Psychiatry 1994;151:1081-3.	P
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Lucas C, Benedek D, Pangaro L: Learning climate and students' achievement in a medicine clerkship. Academic Med 1993;68(10): 811.	P
Ordas D: Treatment of depersonalization disorder and associated depression with electroconvulsive therapy. J of Neuropsychiatry 1994;6:67-9.	P
Pollack M, Labbate L, Stern T: Recognition and treatment of anxiety in the ICU patient. In: Rippe J, Irwin R, Alpert J, eds. Intensiv Care Medicine, 3rd ed. Boston: Little, Brown, 1994.	P e
Ritchie E, Ruck D, Anderson M: The 528th CSC Unit in Somalia in support of Operation Restore Hope. Mil Med 1994;159(5):372.	P
Warden D: Anxiety disorders for the neurologist. American Academy of Neurology Annual Meeting, Washington, DC, April, 1994.	Pr
Warden D, Dougherty D, Sheeley E, Staudenmeier J, Pyne M, Salazar A: Psychotic symptoms in moderate brain injury. Neurology 194;44 (2):A401.	Ab
Wong N: Commentaries on an interview with Professor Hisao Nakai. Integrative Psychiatry 1993;8(4):271-3.	P
Wong N: Cultural roots of psychiatry in the United States. American Psychiatric Association Annual Meeting, Philadelphia, PA, May, 1994.	Pr
Wong N: Demonic possession and dissociative states. Maryland Suburban Psychiatric Society/USUHS Department of Psychiatry Meeting, Bethesda, MD, February, 1994.	Pr

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CITATION	Type*
DEPARTMENT OF PSYCHIATRY (continued)	
Wong N: Dissociate disorders. Pennsylvania Hospital, Philadelphia, PA, September, 1994.	Pr
Wong N: Dissociative states: the exotic and unique. Grand Rounds, Institute of Living, Hartford, CT, December, 1993.	Pr
Wong N: Evolution of the APA international directory of psychiatry. Amer Psychiatr Assoc 1993;9-14.	P
Wong N: Groups in the military: responding to disasters and other and other challenges. American Group Psychotherapy Annual Meeting, Washington, DC, February, 1994.	Pr
Wong N: Loma Prieta Earthquake - Lessons learned. Pennsylvania Hospital, Philadelphia, PA, September, 1994.	Pr
Wong N: Obsessive compulsive disorders. Seoul National University and Catholic Medical College, Seoul, Korea, October, 1993.	Pr
Wong N: Opportunities in international psychiatric exchanges. American Psychiatric Association Annual Meeting, Philadelphia, PA, May, 1994.	Pr
Wong N: Our heritage and our future: mental health of Asian- Americans. American Psychiatric Association Annual Meeting, Philadelphia, PA, May, 1994.	Pr
Wong N: Practice guidelines for psychoanalysis: the psychoanalytic chart. American Psychoanalytic Association Annual Meeting, New York, NY, December, 1993.	Pr
Wong N: Psychologists prescribing demonstration promect. APA Joint State Legislative and Public Affairs Institute, Fort Lauderdale, FL, March, 1994.	Pr
Wong N: The life cycle of the analyst: pregnancy, illness, and disability. J Amer Psychoanalytic Assoc 1993;41(1):191-207.	P
Wong N: The making of army psychiatrists. Army Psychiatric Conference, San Antonio, TX, March, 1994.	Pr
Wong N: The military psychologists' psychopharmacology prescribing program. University of South Dakota Psychiatric Association and Department of Psychiatry, South Dakota, September, 1994.	Pr

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CITATION	<u>Type</u> *
DEPARTMENT OF PSYCHIATRY (continued)	
Wong N: Trance possession and dissociative disorders. University of South Dakota Psychiatric Association and Department of Psychiatry, South Dakota, September, 1994.	Pr
Wong N: Transcultural psychiatry: its relevance to mental health practice and training in the Washington-Baltimore region. Pan American Health Organization Symposium, Washington, DC, March, 1994.	Pr
Wong N, Klein R, Bernard H, Singer D: Handbook of contemporary group psychotherapy: contributions from object relations, self psychology, and social systems theories. J of Psychotherapy 1994;3(2):180-1.	P
Young S: Electroconvulsive therapy for depression in a liver transplant patient. Psychosomatics 1993;34(6):537.	P
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DEPARTMENT OF RADIOLOGY Nuclear Medicine Service	
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Hagan M, et al: Erythroid progenitor (BFUe, CFUe) proliferation as inferred from 5'-bromodeoxyuridine labeling. Exp Hematol 1994; 22:1221-6.	P
Johnstone W, Sprague M, et al.: Effects of intraoperative radiotherapy on vascular grafts in a canine model. Int J Radiat Oncol Biol Phys 1994;29(5):1015-25.	P
Tochner, Sprague M, et al.: Intrathoracic photodynamic therapy: a canine normal tissue tolerance study and early clinical experience. Lasers in Surg Med 1994;14:118-23.	P
DEPARTMENT OF SOCIAL WORK	
Cartwright, J: Mental health consultation services to the 10th mountain division. Peace Keeping Operations Workshop. University of Maryland, College Park, MD, February, 1994.	Pr

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CITATION	Type*
DEPARTMENT OF SOCIAL WORK (continued)	
Mays R, Jr.: African-American veterans and post-traumatic stress disorder: cultural aspects of self-identity. Meeting of the Department of Veteran Affairs and National Readjustment Counseling Center, St. Louis, MO, June, 1994.	Pr
Mays R, Jr.: The army family advocacy program: Office of the Surgeon General update. Presented to Family Advocacy Program Managers, Louisville, KY, March, 1994.	Pr
Mays R, Jr.: The army social work program update: office of the surgeon general update. Army Social Work Officers, San Antonio, TX, August, 1994.	Pr
Mays R, Jr.: The federal social work response to natural disasters and humanitarian operations. Masters class, Chair and Panelist for the National Association of Social Work Conference, Orlando, FL, November, 1993.	Pr
Mays R, Jr.: The future is now. How big is your tool kit? A historical perspective of the army quality of life programs for the United States Army Europe and 7th Army. The 1994 Army Medical Department Symposium, Garmisch, Germany, April, 1994.	Pr
Mays R, Jr.: The future of army social work. Closing remarks to the Behavioral Sciences Postgraduate Short Course, San Antonio, TX, August, 1994.	Pr
Mays R, Jr.: The future of uniformed services social work. Closing remarks, Fourth Annual Uniformed Services Social Work Conference, Orlando, FL, November, 1993.	Pr
Mays R, Jr.: The Gulf War syndrome and the role of army social work. Presented to Department of Veteran Affairs via live national telecast with telephone link to 273 sites in the Regional Education and Training Center (REMC), Birmingham, AL, August, 1994.	Pr
Ruiz, P: An introduction to child abuse. Pentagon Clinic Medical Staff, Arlington, VA, September, 1994.	Pr
DEPARTMENT OF SURGERY Anesthesia-Operative Service	
Bettencourt J, Gordon J, Froelich E, Antoine J: A comparison between mannitol alone and mannitol plus furosemide on increasing serum osmolality during craniotomy. American Society of Anesthesiologists, Annual Meeting, October, 1994.	Pr

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A D D E N D U M
PUBLICATIONS/PRESENTATIONS BY DEPARTMENT/SERVICE AND AUTHOR NOT RELATED TO APPROVED CLINICAL INVESTIGATION PROTOCOLS

CITATION

Type*

DEPARTMENT OF SURGERY Anesthesia-Operative Service (continued)	
Boedecker B: Preparation, properties, and pharmacokinetics of tetracaine, bupivacaine, propofol, isoflurane and dantrolene in lecithin-coated microcrystal or microdroplet form. American Society of Anesthesiologists, Annual Meeting, October, 1994.	Pr
Bolt S: Laser-Doppler flowmetry measurement of subcortical blood flow after fluid percussion brain injury in rats. American Society of Neuroscience, Washington, DC, November, 1993.	Pr
Burnham K, Boedecker B, Kline M, Mattix M, Long J, Calkins M, Rapacki T, Haynes D: Spinal cord toxicity of lecithin-coated tetracaine microcrystals in the rat. American Society of Regional Anesthesia Meeting, Chicago, IL, April, 1994.	Pr
Casinelli P, Reynolds P: Use of the drawover anesthesia machine at Womack Army Medical Center: our experience. Mil Med 1994; 159(9):600-2.	P
Cohen A, Moore P, Jones C, Miner T, Carter R, Zurcher R, Lupkus R, Edwards S: The effect of internal mammary harvest on post-operative pain and pulmonary function. Ann Thor Surg 1993;56:1107-9.	P
Foley E, O'Neill B, Chang A: The effect of duration of LMA exposure on the incidence of postoperative pharyngeal complaints. International Anesthesia Research Society.	Ab
Fontana J, Welborn L, Sturm L, Bunger R: Recommended clinical transfusion practice and experimental limits of hemodilution in man and swine. American Heart Association, November, 1994.	Pr
Fontana J, Welborn L, Sturm L, Bunger R: Recommended clinical transfusion practice and experimental limits of hemodilution in man and swine. Circulation 1994 90(4), pt.2:149.	Ab
Greilich P: Effect of cardiopulmonary bypass on platelet force development and its association with early bypass hemorrhage. Society of Cardiovascular Anesthesiologists meeting, Montreal, Canada, April, 1994.	Pr
Greilich P, Carr M: Reductions in platelet force development by cardiopulmonary bypass are associated with hemorrhage. American Society of Anesthesiologists Annual Meeting, October, 1994.	Pr

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<u>CITATION</u> <u>T</u>	ype*
DEPARTMENT OF SURGERY Anesthesia-Operative Service (continued)	
Greilich P, Carr M, Zekert S: Effect of desmopressin acetate (DDAVP) on platelet force development in patients bleeding excessively after cardiopulmonary bypass (CPB). American Federation of Clinical Research Annual Meeting, Baltimore, MD, April, 1994.	Pr
Greilich P, Carr M, Zekert S, Dent R: Quantitative assessment of platelet function and clot structure in patients with severe coronary artery disease. Am J Med Sci 1994;307(1)15-20.	P
Karan S, Crowl F, Muldoon S: Malignant hyperthermia masked by capnographic monitoring. Anesth Analg 1994;78:590-2.	P
Karan S, Lojeski E, Mills L, Kline M, Boedecker B: Femoral vs central venous blood gas data during malignant hyperthermia in susceptible swine. American Society of Anesthesiologists Annual Meeting, October, 1994.	Pr
Karan S, Lojeski E, Mills L, Kline M, Boedecker B: Femoral vs central venous blood gas data during malignant hyperthermia in susceptible swine. Anesthesiology 1994;81:A430.	Ab
Karpa M, Kline M, Boedecker B, Haynes D, Schwartz A, Stolte A, Berrigan M: Cardiovascular effects of intravenous lecithin coated isoflurane microdroplets in dogs. American Society of Anesthesiologists Annual Meeting, October, 1994.	Pr
Karpa M, Kline M, Boedecker B, Haynes D, Schwartz A, Stolte A, Berrigan M: Cardiovascular effects of intravenous lecithin coated isoflurane microdroplets in dogs. Anesthesiology 1994; 81:A371.	Ab
Kline M, Boedecker B, Burnham K, Calkins M, Haynes D: Lecithin- coated bupivacaine microcrystals produce ultra-long duration local anesthesia. American Society of Regional Anesthesia Meeting, Chicago, IL, April, 1994.	Pr
Kuzma P, Kline M, Boedecker B, Haynes D: Microcrystals bupivacaine coated with lecithin produces ultra-long duration local anesthesia in the rat tail. American Society of Anesthesiologists Annual Meeting, October, 1994.	Pr
Kuzma P, Kline M, Boedecker B, Mattix M, Young P, Cobb J, Haynes D: Tissue toxicity of lecithin-coated bupivacaine microcrystals after intradermal infiltration. American Society of Anesthesiologists, Annual Meeting, October, 1994.	Pr

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PUBLICATIONS/PRESENTATIONS BY DEPARTMENT/SERVICE AND AUTHOR NOT RELATED TO APPROVED CLINICAL INVESTIGATION PROTOCOLS

CITATION	<u>Type</u> *
DEPARTMENT OF SURGERY Anesthesia-Operative Service (continued)	
Lojeski E: Lecithin-coated dantrolene sodium microcrystals are effective in the treatment of malignant hyperthermia in susceptible swine. Maryland/DC Society of Anesthesiology, Bethesda, MD, September, 1994.	Pr
Lojeski E: Microencapsulated dantrolene vs. dantrolene: dose response to muscular twitch in rats. Maryland/DC Society of Anesthesiology, Bethesda, MD, September, 1994.	Pr
McLoughlin T: Continuous retrograde cerebral perfusion as an adjunct to brain protection during deep hypothermic systemic circulator arrest. Society of Cardiovascular Anesthesiologists Annual Meeting, Montreal, Canada, April, 1994.	Pr y
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CITATION	Type*
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Kumke K: Intracerebral hemorrhage. Critical Care Medicine Grand Rounds, Walter Reed Army Medical Center, Washington, DC, November, 1993.	Pr
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CITATION	Type*
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Batty D, Hale D, Molloy M, Pearl R, Jaques D: Appendectomy: a current community standard. Gary P. Wratten Military Surgical Symposium, Cloudcraft, NM, April, 1994.	Pr
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D'Addio V, Jackson R, Gomez E: Selective management of isolated iliac artery aneurysms. Gary P. Wratten Military Surgical Symposium, Cloudcraft, NM, April, 1994.	Pr
Elliott D: Hypocholesterolemia among trauma patients: marker for mortality and organ failure. American Association for Surgery of Trauma. 1994.	Pr

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CITATION	Type*
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Jaques D: Surgical management of metastases: the "M" in TNM. First Hungarian American Military Medical Symposium. Baltonkonese, Hungary, November, 1993.	Pr
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Lane B: Management of a chemical casualty during ODS. 12th Annual USUHS Trauma Day, Bethesda, MD, October, 1993.	Pr
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Lieberman M, Shriver C, Brennan M, Burt M: Survival in gastroesophageal junction adenocarcinoma versus esophageal squamous carcinoma. American Association of Thoracic Surgeons. May, 1994.	Pr
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Otchy D: What's new in colon and rectal. Grand Rounds, General Surgery Service, Womack Army Hospital, Fort Bragg, NC, October, 1993.	Pr
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Pearl R: Surgical care in Operation Desert Storm: mobility and medicine, the challenge of desert warfare. Children's Medical Center, Dayton, OH and Wright Patterson AFB Medical Center, Dayton, OH, April, 1994.	Pr
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Stachelki S, Wiswell T, Pearl R, Hume R: Prenatal diagnosis and management of fetal intra-abdominal cystic masses. American College of Obstetricians and Gynecologists. Seattle, WA, November, 1993.	Pr
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CITATION	Type'
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Ondra S, Polly D, Carter T, Monacci W: Failure of unicortical anterior cervical plate stabilization in patients with multi-level corpectomy and strut graft. Second Annual Symposium, Techniques of Spinal Surgery, New York, NY, December, 1993.	Pr
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Puckett T, Peele K, Howard R, Kramer K: Intraocular irrigating solutions: a clinical trial of Bss plus and dextrose bicarbonat lactated Ringer's solution. Association for Research in Vision and Ophthalmology Annual Meeting, Sarasota, Fl, May, 1993.	Pr e
Rimm W: Chemical injuries. USUHS Ocular Training Course, Bethesda, MD, May, 1994.	Pr
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Cockerill D, Polly D, Ondra S: Use of the harm's titanium mesh cage graft for cervical and thoracolumbar corpectomies with fusion. American Association of Neurological Surgeons Annual Meeting, San Diego, CA, April, 1994.	Pr
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Deffer P: Eaton trapezial implant - radiographic and clinical evaluation. Society of Military Orthopaedic Surgeons 35th Annu Meeting, Bethesda, MD, December, 1993.	Pr al
Gamble W, Smith A, Smith G: Use of thermography in frostbite treatment. International Symposium on Plastic Surgery, Stockholm, Sweden, 1993.	Pr

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CITATION	Type*
DEPARTMENT OF SURGERY Orthopaedic Surgery Service (continued)	
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Hopkinson W: Porous coated anatomic total hip arthroplasty: seven to nine year results of a prospective consecutive series. Americ Academy of Orthopaedic Surgeons 61st Annual Meeting, New Orleans, LA, February, 1994.	o Pr can
Hopkinson W: Thigh pain in uncemented total hip arthroplasty. American Academy of Orthopaedic Surgeons 61st Annual Meeting, New Orleans, LA, February, 1994.	Pr
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Kilkelly F, Lenhart M, Temple H: Tumoral calcinosis: a clinical and radiographic review. Society of Military Orthopaedic Surgeon 35th Annual Meeting, Bethesda, MD, December, 1993.	Pr
Kilkelly F, McHale K: Acute rupture of the peroneal longus tendon: a case report and review of the literature. Society of Military Orthopaedic Surgeons 35th Annual Meeting, Bethesda, MD, December, 1993.	Pr
Kim C, McHale K: Immediate correction of cavus deformity. American Academy of Orthopaedic Surgeons 61st Annual Meeting, New Orlea LA, February, 1994.	Pr ns,
McHale K: Abnormal foot muscles in clubfoot deformity. American Academy of Orthopaedic Surgeons 61st Annual Meeting, New Orlea LA, February, 1994.	Pr ns,
McHale K: Anomalous foot muscles in clubfoot deformity. Pediatric Orthopaedic Society of North America. Memphis, TN, May, 1994.	Pr
McHale K: Circular fixation for combat and training injuries. Societ of Military Orthopaedic Surgeons 35th Annual Meeting, Bethesda MD, December, 1993.	y Pr ,

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CITATION	Type*
DEPARTMENT OF SURGERY Orthopaedic Surgery Service (continued)	
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McHale K: Innovations in orthopaedic trauma care. Pediatric Surgery Day, Uniformed Services University for the Health Sciences, Bethesda, MD, January, 1994.	Pr
McHale K: MRI in walking age children with DDH. Pediatric Orthopaedi Society of North America. Memphis, TN, May, 1994.	.c Pr
McHale K: Orthopaedic issues of concern for women. Second Annual Congress on Women's Health. Washington, DC, June, 1994.	Pr
McHale K: Resection of tarsal coalitions. In: Techniques in Orthopaedics. Philadelphia: Saunders, November, 1993.	P
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CITATION	Type*
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CITATION	Type*
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PUBLICATIONS/PRESENTATIONS BY DEPARTMENT/SERVICE AND AUTHOR NOT RELATED TO APPROVED CLINICAL INVESTIGATION PROTOCOLS

CITATION

Type*

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```
Abdel-rahim M, (I) 39, 40; (II) 325, 333
Aessopos A, (I) 35; (II) 251
Almirez R, (I) 16; (II) 118
Anderson D, (I) 12, 13; (II) 44
Anthony B, (I) 40; (II) 328
Antoine J, (I) 43; (II) 453
Arduino J, (I) 7; (II) 57
Argyros G, (I) 29, 30, 31, 33; (II) 235
Aroni I, (I) 3; (II) 31
Aronson A, (I) 4; (II) 62
Aronson N, (I) 9; (II) 53
Ascher D, (I) 4, 9, 13; (II) 46
Ashton W, (I) 39; (II) 323
Asplund L, (I) 48, 49; (II) 515, 524
Atkinson J, (I) 4, 6, 8, 9, 10, 12; (II) 48
Atolagbe T, (I) 24; (II) 204
Bahn S, (I) 17; (II) 142
Bailey L, (I) 14; (II) 116
Baraf H, (I) 2, 3; (II) 32
Barnes S, (I) 17; (II) 142
Baxter D, (I) 10; (II) 54
Beamer S, (I) 44; (II) 474
Beattie B, (I) 42; (II) 432
Beckett L, (I) 7; (II) 57
Belandres P, (I) 42, 43; (II) 427, 428, 429, 430, 433
Benson P, (I) 5; (II) 54
Bent R, (I) 41; (II) 331
Benton R, (I) 14; (II) 118
Berg B, (I) 18, 30, 31; (II) 146, 233
Berger T, (I) 1; (II) 22, 26
Berman J, (I) 27; (II) 206
Bermas B, (I) 35; (II) 251
Bernet V, (I) 16; (II) 165
Berrey B, (I) 49; (II) 512
Bethke F, (I) 13; (II) 59
Bettencourt J, (I) 43; (II) 453
Bhatia S, (I) 17; (II) 133
Bilello K, (I) 31; (II) 233
Billups L, (I) 1; (II) 28, 29
Birx D, (I) 4, 8, 9, 10, 13; (II) 53, 58, 59, 62
Biselli R, (I) 4; (II) 53
Bishoff J, (I) 52; (II) 546
Blake S, (I) 12; (II) 48
Boedecker B, (I) 43; (II) 453
Boedeker B, (I) 43, 44; (II) 453
Bohen E, (I) 27, 28, 29; (II) 215, 219, 222
```

^{*} Reference is to page numbers in Volumes I & II.

```
Boki K, (I) 35; (II) 251
 Borden P, (I) 49, 50; (II) 508
Bowen P, (I) 20; (II) 176
Boxer L, (I) 26; (II) 204
Braiman J, (I) 35; (II) 260, 264
Brandt U, (I) 5, 8, 10, 12; (II) 48
Braverman S, (I) 42; (II) 428
Brewer T, (I) 21; (II) 173
Brinker J, (I) 15; (II) 116
Brody D, (I) 24; (II) 188
Brown A, (I) 4; (II) 46
Brown D, (I) 6, 36, 37; (II) 48, 258
Brown H, (I) 36; (II) 258
Brown M, (I) 47; (II) 503
Brundage J, (I) 9; (II) 53
Bryan M, (I) 52; (II) 546
Burch H, (I) 17, 19; (II) 133, 142, 152, 157
Burge R, (I) 47; (II) 503
Burgess D, (I) 1; (II) 29
Burgess M, (I) 20; (II) 176
Burke D, (I) 4, 7, 8, 9, 13, 25; (II) 53, 57, 62, 204
Burman K, (I) 16, 17, 18, 19; (II) 133, 142, 145, 152,
    154, 157, 165
Burnham K, (I) 43; (II) 453
Burrell L, (I) 5, 9; (II) 60
Byrd J, (I) 21, 22, 26; (II) 191, 203
Calkins M, (I) 43; (II) 453
Campbell L, (I) 8; (II) 58
Cantilena L, (I) 14, 15, 16; (II) 118
Capra J, (I) 35; (II) 251
Carome M, (I) 28, 29; (II) 219, 222
Carpenter G, (I) 1; (II) 18, 24
Carr F, (I) 17, 18, 19; (II) 135, 157, 159
Carregal V, (I) 1; (II) 22
Carter A, (I) 14, 15, 16; (II) 116
Cavallaro B, (I) 46; (II) 491
Chaired J, (I) 12; (II) 48
Chandler J, (I) 4, 6, 8, 9, 10, 12; (II) 48
Chang A, (I) 18, 42, 43, 47, 48; (II) 145, 427, 429,
    430, 509
Chang G, (I) 7, 8; (II) 53
Charalampopoulos S, (I) 3, 34; (II) 32, 251
Cherner M, (I) 6; (II) 48
Choma T, (I) 48; (II) 521
Choremi H, (I) 3; (II) 32
Christian M, (I) 13; (II) 87
```

^{*} Reference is to page numbers in Volumes I & II.

```
Chung R, (I) 2, 7; (II) 35, 57
Cieslak T, (I) 4, 13; (II) 46
Clasby S, (I) 6; (II) 48
Clay J, (I) 45, 46; (II) 469, 470, 478
Clerici M, (I) 35; (II) 251
Coates J, (I) 12, 13; (II) 44
Cobb J, (I) 43; (II) 453
Colling C, (I) 16; (II) 112
Conner D, (I) 15, 16; (II) 118
Cook J, (I) 47, 48, 49; (II) 518
Cookfair D, (I) 35, 36; (II) 257
Cooper L, (I) 1; (II) 29
Cord M, (I) 45, 46; (II) 466, 469, 471
Cranston T, (I) 16; (II) 165
Cremins J, (I) 20; (II) 183
Cross A, (I) 27; (II) 207
Crowell M, (I) 38, 39; (II) 322
Crumpacker C, (I) 7; (II) 57
Cryz S, (I) 27; (II) 207
Cutting M, (I) 25; (II) 204
D'Arcy L, (I) 8; (II) 53
Daniell F, (I) 10; (II) 48
Darling B, (I) 39; (II) 341
Davis C, (I) 4; (II) 62
Davis D, (I) 35; (II) 264
Davis J, (I) 14, 41; (II) 116, 331
Davis P, (I) 13; (II) 87
Davis W, (I) 1; (II) 22
DeGruy F, (I) 24; (II) 188
DeMarkles M, (I) 20; (II) 182
DeVries W, (I) 47, 48, 49; (II) 509, 514, 518
Deedwania P, (I) 16; (II) 112
Deffer P, (I) 48, 49; (II) 518
Del Bono V, (I) 4; (II) 53
Derderian S, (I) 30, 31, 32; (II) 233, 237
Diehl L, (I) 26; (II) 203
Dillard T, (I) 30, 31; (II) 233
Dillingham T, (I) 42, 43; (II) 427, 429, 430, 433
Dobek A, (I) 2; (II) 35
Donovan D, (I) 36; (II) 258
Dopler B, (I) 6; (II) 48
Dougherty D, (I) 35, 36, 37; (II) 258, 259
Dow N, (I) 1; (II) 26
Doyle M, (I) 35; (II) 264
Drabick J, (I) 5, 10, 27; (II) 54, 207
Dubowy R, (I) 41; (II) 363
```

^{*} Reference is to page numbers in Volumes I & II.

```
Duncan W, (I) 18; (II) 145
Dunn D, (I) 43; (II) 453
Dykstra K, (I) 39; (II) 323, 325
Ehrenberg P, (I) 7, 8; (II) 53
El-Mohandes A, (I) 33; (II) 250
Eliasson A, (I) 29, 31, 33; (II) 235
Engler R, (I) 1, 5, 6, 7; (II) 18, 52
Erbe E, (I) 43; (II) 441
Farb A, (I) 14, 15, 16; (II) 116
Fattom A, (I) 28; (II) 218
Fields S, (I) 13; (II) 87
Figg W, (I) 13; (II) 87
Filby C, (I) 4; (II) 42
Finelli M, (I) 33; (II) 242
Fischer G, (I) 4, 40; (II) 46, 328
Fisher C, (I) 17, 18; (II) 135
Fisher S, (I) 16; (II) 112
Fitzpatrick T, (I) 33; (II) 240
Fletcher R, (I) 16; (II) 112
Francis G, (I) 39, 40, 41; (II) 323, 325, 333
Francis M, (I) 9; (II) 60
Franke E, (I) 27; (II) 206
Froelich E, (I) 43; (II) 453
Gallagher K, (I) 39; (II) 341
Gardner L, (I) 7; (II) 57
Gartner S, (I) 25, 26; (II) 204
Gasser R, (I) 27; (II) 206
Glass K, (I) 26; (II) 203
Goldberg D, (I) 9, 13; (II) 46
Goldstein J, (I) 2; (II) 27
Gordon J, (I) 43; (II) 453
Gorny M, (I) 13; (II) 59
Grabenstein J, (I) 4; (II) 42
Grafman J, (I) 36; (II) 259
Grant I, (I) 6, 8, 9, 10, 12; (II) 48
Grant K, (I) 44; (II) 474, 476
Graves M, (I) 36, 37; (II) 258
Greenhouse J, (I) 26; (II) 204
Greenwall S, (I) 20; (II) 182
Greenwell H, (I) 52; (II) 556
Griffin G, (I) 1; (II) 26
Grogl M, (I) 27; (II) 206
Gurney C, (I) 37; (II) 271
Hahn S, (I) 21, 24; (II) 188
Hall E, (I) 25, 26; (II) 204
Hamm C, (I) 31, 32; (II) 237
```

^{*} Reference is to page numbers in Volumes I & II.

```
Hammer S, (I) 7; (II) 57
Hansen M, (I) 48; (II) 524
Hargis J, (I) 13; (II) 87
Harris T, (I) 4; (II) 42
Hartman K, (I) 24; (II) 200, 204
Hawkins A, (I) 1; (II) 28
Haynes D, (I) 43, 44; (II) 453
Heaton R, (I) 6; (II) 48
Heimer W, (I) 10; (II) 54
Hemming V, (I) 40; (II) 328
Herndon R, (I) 35, 36; (II) 257
Hershey J, (I) 1, 20, 38; (II) 18, 22, 28, 183, 322
Heyes M, (I) 6; (II) 48
Hickman M, (I) 1; (II) 26
Hicks C, (I) 7, 21, 22; (II) 57, 191
Hinson R, (I) 39, 40; (II) 350
Hnatiuk O, (I) 31; (II) 241
Hollifield R, (I) 46; (II) 491
Hollinger J, (I) 48; (II) 519
Holt W, (I) 1; (II) 18
Holtzmuller K, (I) 20, 21; (II) 180
Hong T, (I) 40; (II) 333
Honig P, (I) 14, 15, 16; (II) 118
Hoover D, (I) 9, 25; (II) 60, 204
Hopkinson W, (I) 47, 48, 49, 50; (II) 500, 508, 509
Hospenthal D, (I) 21, 22, 26; (II) 191, 203
Howard R, (I) 26; (II) 203
Hull R, (I) 15; (II) 118
Hurwitz K, (I) 29, 31, 33; (II) 235
Huston C, (I) 42; (II) 430
Inscoe K, (I) 20, 21; (II) 180
Isenbarger D, (I) 21, 22; (II) 191
Jabbari B, (I) 35, 36, 37; (II) 260, 264
Jacobs L, (I) 35, 36; (II) 257
Japour A, (I) 7; (II) 57
Jenkins P, (I) 5, 10; (II) 48
Jenkins R, (I) 5, 8; (II) 48
Jesteadt W, (I) 44; (II) 483
Johnson C, (I) 5, 8, 10, 12; (II) 48
Johnson J, (I) 22; (II) 188
Johnson K, (I) 48; (II) 519
Johnson L, (I) 33; (II) 250
Johnson S, (I) 4, 9, 27; (II) 53, 62, 206
Johnstone F, (I) 48; (II) 521
Kadakia S, (I) 20, 21; (II) 180
Kaklamanis P, (I) 35; (II) 251
```

^{*} Reference is to page numbers in Volumes I & II.

```
Kaplan R, (I) 9; (II) 48
Kapsimali V, (I) 35; (II) 251
Katona I, (I) 33; (II) 250
Kaushal S, (I) 25, 26; (II) 204
Kelly P, (I) 43; (II) 453
Kendall S, (I) 8; (II) 48
Kende M, (I) 36, 37; (II) 258
Kenney R, (I) 26; (II) 204
Kepczyk T, (I) 20, 21; (II) 180
Kerns H, (I) 52; (II) 556
Kessler S, (I) 9, 25, 26; (II) 60, 204
Kiang J, (I) 18; (II) 135
Kikendall J, (I) 20; (II) 176, 183
Kilkelly F, (I) 48; (II) 521
Kim C, (I) 49; (II) 514
Kim J, (I) 9, 25, 26; (II) 53, 204
King N, (I) 47; (II) 503
Kleinman D, (I) 12; (II) 52
Kline M, (I) 43, 44; (II) 453
Klipple G, (I) 2, 24, 34; (II) 32, 204, 251, 252
Knutson S, (I) 31; (II) 233
Kobylarz E, (I) 36; (II) 262
Koch W, (I) 6, 9; (II) 48
Kohn E, (I) 13; (II) 87
Kohn L, (I) 19; (II) 157
Konzelman J, (I) 5, 6, 7, 12; (II) 52
Kosisky S, (I) 1; (II) 24
Kosugi S, (I) 19; (II) 157
Krober M, (I) 4, 9, 13; (II) 46
Kroenke K, (I) 21, 22, 23, 24; (II) 187, 188, 190
Kufs W, (I) 14, 15, 16; (II) 116
Kumke K, (I) 31, 32; (II) 237
Kuppers R, (I) 17; (II) 133
Kurnot R, (I) 52; (II) 546
Kushner J, (I) 18; (II) 146
Kuzma P, (I) 43, 44; (II) 453
La Russa V, (I) 24, 25, 26; (II) 204
Lahiri S, (I) 19, 20; (II) 162
Laird J, (I) 14, 16; (II) 116
Lande R, (I) 43; (II) 437
Landry F, (I) 32; (II) 238
Lane J, (I) 7, 13; (II) 57
Langenberg P, (I) 20; (II) 176
Larid J, (I) 15; (II) 116
Larsen B, (I) 21; (II) 173
Lauder T, (I) 42; (II) 430
```

^{*} Reference is to page numbers in Volumes I & II.

```
Law W, (I) 5, 6; (II) 48
Lazzeri D, (I) 16; (II) 112
Ledsky R, (I) 10; (II) 54
Leek M, (I) 44, 45, 46; (II) 467, 473, 478, 482, 483
Leiby D, (I) 25, 26; (II) 204
Lennox J, (I) 4, 7, 9; (II) 53, 57, 62
Leone L, (I) 35; (II) 260
Lepler L, (I) 32, 33; (II) 240
Levandowski D, (I) 45; (II) 466, 469
Levy H, (I) 36, 37; (II) 258
Lewis D, (I) 16, 51, 52; (II) 112, 546
Linden C, (I) 48; (II) 519
Ling G, (I) 6; (II) 48
Link C, (I) 13; (II) 87
Linzer M, (I) 24; (II) 188
Lipnick R, (I) 2, 34; (II) 32, 251
Lippert L, (I) 1; (II) 26
Liu Y, (I) 26; (II) 204
Lojeski E, (I) 43; (II) 453
Lombardo F, (I) 38; (II) 273
Long J, (I) 43; (II) 453
Loomis L, (I) 4, 9; (II) 53
Lu X, (I) 16; (II) 118
Lucas C, (I) 22, 23; (II) 187
Lucas M, (I) 41; (II) 363
Lucey C, (I) 22, 23; (II) 187
Lukes Y, (I) 17, 19; (II) 133, 157
Magill A, (I) 5, 27; (II) 54, 206
Magnetti C, (I) 20; (II) 176
Mahoney D, (I) 28; (II) 219
Malech H, (I) 26; (II) 204
Manca F, (I) 9, 10; (II) 53
Manly J, (I) 6; (II) 48
Mapou R, (I) 5, 6; (II) 48
Marin R, (I) 42; (II) 427
Marple R, (I) 22, 23; (II) 187
Martin A, (I) 6; (II) 48
Martin B, (I) 18; (II) 146
Martinez M, (I) 6, 7; (II) 52
Massie B, (I) 16; (II) 112
Mathias B, (I) 43; (II) 429
Mattix M, (I) 43; (II) 453
Maybee D, (I) 1, 41; (II) 29, 363
Maydonovitch C, (I) 20; (II) 182
Mayers D, (I) 7, 12, 13, 25; (II) 44, 57, 204
McCarthy W, (I) 10; (II) 54
```

^{*} Reference is to page numbers in Volumes I & II.

```
McClain D, (I) 18; (II) 135
McClain J, (I) 27; (II) 207
McClean M, (I) 45; (II) 466, 469, 470
McCune B, (I) 3; (II) 31
McCutchan J, (I) 8, 9, 10, 12; (II) 48
McGovern T, (I) 20, 21; (II) 180
McHale K, (I) 48, 49; (II) 514, 524
McKinney L, (I) 48, 49; (II) 512, 519
McLeod G, (I) 7; (II) 57
Mehm W, (I) 30, 31; (II) 233
Melcher G, (I) 4; (II) 62
Melcher W, (I) 33; (II) 250
Meltzer M, (I) 9; (II) 60
Mena H, (I) 37; (II) 258
Merritt T, (I) 41; (II) 331
Meyer G, (I) 9, 13; (II) 46
Michael N, (I) 7, 8, 9, 13; (II) 53
Miller A, (I) 13; (II) 87
Miller D, (I) 48, 49; (II) 515, 518, 521
Mondy W, (I) 43; (II) 453
Moore J, (I) 27, 28; (II) 215, 218, 219
Moore M, (I) 49; (II) 518
Moores L, (I) 31; (II) 233
Moores R, (I) 40; (II) 333
Moriarty R, (I) 4, 9, 13; (II) 46
Morris E, (I) 20, 21; (II) 180
Mosca J, (I) 8, 25; (II) 53, 204
Moses F, (I) 21; (II) 173
Mostofi F, (I) 52; (II) 546
Moul J, (I) 51, 52; (II) 546, 550
Mullen J, (I) 15; (II) 118
Mulligan M, (I) 47, 48, 50; (II) 500, 509
Mullin J, (I) 16; (II) 118
Murphy J, (I) 20, 21; (II) 180, 182
Musio F, (I) 28, 29; (II) 219, 222
Nagy E, (I) 17, 19; (II) 133, 142, 157
Nair P, (I) 20; (II) 183
Nannis E, (I) 5, 8, 10, 12; (II) 48
Nau M, (I) 12, 13; (II) 44
Newby J, (I) 5, 12; (II) 48
Newman R, (I) 40; (II) 325
Nicholson D, (I) 19, 20; (II) 162
Nutman T, (I) 5; (II) 54
O'Connor F, (I) 4; (II) 41
0'Leary A, (I) 8; (II) 48
O'Malley P, (I) 23, 24; (II) 190
```

^{*} Reference is to page numbers in Volumes I & II.

```
O'Neill J, (I) 39; (II) 341
Oette D, (I) 26; (II) 204
Oglesby R, (I) 3, 33, 34; (II) 32, 251
Olson E, (I) 50; (II) 500
Oman C, (I) 24; (II) 188
Ondra S, (I) 36, 37; (II) 258
Oster C, (I) 4, 9, 27; (II) 53, 62, 206
Otto M, (I) 13; (II) 57
Ottolini M, (I) 4, 9, 13; (II) 46
Pacicco T, (I) 18; (II) 146
Panagiotidis P, (I) 35; (II) 251
Parker J, (I) 32; (II) 236, 238
Pascual V, (I) 35; (II) 251
Patterson T, (I) 4, 6, 8, 9, 10, 12; (II) 48
Payne A, (I) 39, 40; (II) 325, 333, 341
Payne M, (I) 40; (II) 325, 333
Peabody S, (I) 41; (II) 331
Pedersen A, (I) 40; (II) 333
Pell K, (I) 2; (II) 27
Peller P, (I) 21; (II) 173
Peller T, (I) 21; (II) 173
Perera L, (I) 25, 26; (II) 204
Petrov J, (I) 38; (II) 272
Pettett G, (I) 39; (II) 341
Philipson J, (I) 8; (II) 48
Phillips Y, (I) 29, 30, 31, 32, 33; (II) 233, 235, 237,
    238
Piskontaki I, (I) 3; (II) 32
Podraza B, (I) 46; (II) 478
Pollock B, (I) 41; (II) 363
Polly D, (I) 48, 49; (II) 515, 524
Polo K, (I) 36; (II) 264
Polonis V, (I) 8, 13; (II) 58, 59
Polsinelli T, (I) 25; (II) 204
Pope R, (I) 49; (II) 512
Popham S, (I) 29; (II) 222
Popovic N, (I) 47, 48, 49, 50; (II) 500, 503, 505, 509,
    512, 518, 519, 521
Poth M, (I) 41; (II) 325
Prewitt K, (I) 14, 15, 16; (II) 116
Pryzbylik J, (I) 1; (II) 29
Pulliam M, (I) 37; (II) 258
Putnak R, (I) 25, 26; (II) 204
Pyne M, (I) 35, 37; (II) 259
Quintero-Sheeley E, (I) 37; (II) 259
Rajagopal K, (I) 31, 32; (II) 237
```

^{*} Reference is to page numbers in Volumes I & II.

```
Rapacki T, (I) 43; (II) 453
Rappaport J, (I) 8; (II) 53
Raszka W, (I) 9, 13; (II) 46
Ratto S, (I) 9, 10; (II) 53
Rayburn D, (I) 33; (II) 240
Redfield R, (I) 4, 7, 8, 9, 10, 13, 26; (II) 53, 58,
     59, 62, 204
Reed E, (I) 13; (II) 87
Reichman R, (I) 7; (II) 57
Reid T, (I) 25; (II) 204
Remsey K, (I) 27; (II) 207
Ries L, (I) 12; (II) 52
Ritchey D, (I) 25, 26; (II) 204
Roach J, (I) 29, 31, 33; (II) 235
Robb M, (I) 4, 8, 9, 13; (II) 46, 53, 58
Robbins J, (I) 28; (II) 218
Roberts C, (I) 7; (II) 57
Robles H, (I) 37; (II) 264
Roller T, (I) 6; (II) 48
Rose N, (I) 17; (II) 133
Rosenberg M, (I) 36; (II) 262
Rossetti R, (I) 34; (II) 251
Roth P, (I) 12; (II) 48
Rothenberg M, (I) 13; (II) 87
Rothman S, (I) 2; (II) 35
Rothwell S, (I) 24, 26; (II) 204
Rowton E, (I) 26; (II) 204
Roy M, (I) 23, 24; (II) 190
Rubin H, (I) 9; (II) 48
Rudick R, (I) 35, 36; (II) 257
Ruiz N, (I) 4, 7; (II) 57, 62
Rundell J, (I) 6; (II) 48
Salata K, (I) 1, 2, 4, 20, 38; (II) 18, 22, 26, 27,
    28, 29, 32, 183, 322
Salazar A, (I) 6, 35, 36, 37; (II) 48, 257, 258, 259
Salzberg D, (I) 21, 22, 28, 29; (II) 191, 219, 222
Sarnecky M, (I) 38; (II) 276
Sarosy G, (I) 13; (II) 87
Scarnati H, (I) 13; (II) 57
Scherokman B, (I) 36, 37; (II) 258
Schlangen K, (I) 10; (II) 48
Schneerson R, (I) 28; (II) 218
Schwab K, (I) 36, 37; (II) 258
Schwartz G, (I) 9; (II) 60
Sciolla A, (I) 4; (II) 48
See A, (I) 20, 21; (II) 180
```

^{*} Reference is to page numbers in Volumes I & II.

```
Sellitti D, (I) 17; (II) 142
Semple S, (I) 6, 8, 10, 12; (II) 48
Sesterhenn I, (I) 51, 52; (II) 546
Sfikakis P, (I) 2, 3, 33, 34; (II) 32, 251, 252
Sfikakis PP, (I) 3, 34, 35; (II) 31, 32, 251
Shacter E, (I) 39; (II) 350
Sharp-Breslau E, (I) 10, 12; (II) 48
Shearer G, (I) 35; (II) 251
Sherman K, (I) 20, 21; (II) 180
Shotkin J, (I) 38; (II) 273
Sigmon J, (I) 28; (II) 218
Singh B, (I) 16; (II) 112
Singh S, (I) 16; (II) 112
Sitz K, (I) 9, 10, 26; (II) 53, 204
Sjogren M, (I) 20, 21; (II) 180, 182
Skelton H, (I) 10; (II) 54
Slayter M, (I) 41; (II) 331
Smallridge R, (I) 17, 18, 34; (II) 135, 251
Smith A, (I) 47, 48, 49; (II) 518
Smith J, (I) 15, 16; (II) 118
Smith K, (I) 5, 10, 11; (II) 54
Smith L, (I) 1; (II) 24
Smith M, (I) 18, 20, 21; (II) 146, 180
Smith S, (I) 18; (II) 146
Solomon B, (I) 16, 17, 18, 19; (II) 145, 146, 152, 154,
    165
Spellman N, (I) 42; (II) 433
Spitzer R, (I) 21, 22, 24, 35; (II) 188, 251
St. Louis D, (I) 25, 26; (II) 204
Stacewicz-Sapuntzakis M, (I) 20; (II) 176
Stamm C, (I) 21; (II) 173
Staudenmeier J, (I) 37; (II) 259
Stevens H, (I) 35; (II) 260
Stitzel A, (I) 35; (II) 251
Stoltzfus D, (I) 29; (II) 223
Stott D, (I) 18; (II) 145
Straits-Troster K, (I) 12; (II) 48
Stuart J, (I) 49, 50; (II) 505, 508
Summers W, (I) 44, 45, 46; (II) 467, 473, 482, 483
Sun W, (I) 27; (II) 206
Surr R, (I) 46; (II) 471
Swango P, (I) 5, 12; (II) 52
Sweet D, (I) 48; (II) 521
Taylor B, (I) 40; (II) 333
Temoshok L, (I) 5, 6, 8, 10, 12; (II) 48
Tencer H, (I) 41; (II) 340
```

^{*} Reference is to page numbers in Volumes I & II.

AUTHOR INDEX*

```
Tesar J, (I) 2, 34; (II) 32, 252
Theocharis S, (I) 3, 34; (II) 32, 251, 252
Theune S, (I) 52; (II) 546
Thyphronitis G, (I) 33; (II) 250
Toro L, (I) 25; (II) 204
Toro-Lopez L, (I) 26; (II) 204
Torrington K, (I) 33; (II) 242
Tseng Y, (I) 19, 20; (II) 162
Tsokos G, (I) 2, 3, 4, 33, 34, 35; (II) 31, 32, 251,
    252
Tsokos M, (I) 3; (II) 31
Turnicky R, (I) 4, 6, 12, 13; (II) 44, 46, 48
Uhorchak J, (I) 49, 50; (II) 508
Urban E, (I) 37; (II) 264
Vahey M, (I) 7, 8, 9, 13, 26; (II) 46, 53, 57, 204
Van Cott T, (I) 8, 13; (II) 58, 59
Van Dam B, (I) 47, 49; (II) 503, 515
Vassilopoulos D, (I) 2, 4, 34; (II) 32, 251
Vauter R, (I) 4; (II) 42
Vayiopoulos G, (I) 3; (II) 32
Vayopoulos G, (I) 3, 34, 35; (II) 31, 251
Velin R, (I) 6; (II) 48
Via C, (I) 3, 35; (II) 32, 251
Victor K, (I) 35; (II) 251
Viglis V, (I) 3; (II) 32
Virmani R, (I) 14, 15; (II) 116
Waecker N, (I) 4, 9, 13; (II) 46
Wagner K, (I) 4, 7, 10; (II) 54, 57, 62
Wahl L, (I) 33; (II) 250
Walden B, (I) 44, 46; (II) 471, 474, 476
Ward F, (I) 24; (II) 204
Ward T, (I) 46; (II) 491
Warden D, (I) 35, 37; (II) 259
Wartofsky L, (I) 17, 18, 19, 20; (II) 145, 152, 154,
    162
Watson M, (I) 40, 41; (II) 325, 333
Wei-Sing C, (I) 10; (II) 54
Weinstein H, (I) 41; (II) 363
Weislow O, (I) 7; (II) 57
Weisman L, (I) 40; (II) 328
Weiss R, (I) 13; (II) 87
Welch C, (I) 41; (II) 325
Welch P, (I) 28; (II) 218
Wertz F, (I) 46; (II) 491
Whippo P, (I) 49; (II) 505
White F, (I) 7; (II) 57
```

^{*} Reference is to page numbers in Volumes I & II.

AUTHOR INDEX*

```
Wiesen A, (I) 21, 22, 26; (II) 191, 203
Wilder J, (I) 22, 23; (II) 187
Wilhelm G, (I) 48; (II) 519
Williams C, (I) 18; (II) 146
Williams J, (I) 6, 21, 22, 24; (II) 48, 188
Wilson J, (I) 4; (II) 42
Winslow D, (I) 7, 13; (II) 57
Wiswell T, (I) 41; (II) 331, 340
Wong M, (I) 23; (II) 190
Wong N, (I) 18; (II) 159
Wong P, (I) 23; (II) 190
Wong R, (I) 20, 21, 23, 24; (II) 180, 182, 183, 190
Wong T, (I) 8; (II) 48
Woosley R, (I) 14; (II) 118
Wortham D, (I) 14, 15, 16; (II) 116, 118
Wright D, (I) 26; (II) 204
Xaushal S, (I) 25; (II) 204
Xenos J, (I) 47, 48, 50, 51; (II) 500, 509
Xu J, (I) 25, 26; (II) 204
Yancey J, (I) 52; (II) 556
Yang S, (I) 16; (II) 118
Yeager J, (I) 10; (II) 54
Yeun J, (I) 27; (II) 215
Young P, (I) 43; (II) 453
Yu Z, (I) 25, 26; (II) 204
Yuan C, (I) 27, 28, 29; (II) 215, 219, 222
Zamani K, (I) 14, 15, 16; (II) 118
Zeigler D, (I) 43; (II) 429
Zhang X, (I) 25; (II) 204
Zhao F, (I) 12, 13; (II) 44
Zhou S, (I) 7; (II) 57
Zografou E, (I) 3; (II) 32
Zolla-Pazner S, (I) 13; (II) 59
Zuehlke R, (I) 52; (II) 556
Zurier R, (I) 34; (II) 251
```

^{*} Reference is to page numbers in Volumes I & II.

ADDENDUM

AUTHOR INDEX*

PUBLICATIONS/PRESENTATIONS BY DEPARTMENT/SERVICE AND AUTHOR FROM PROTOCOLS CLOSED PRIOR TO FY-94

Abdel-Rahim M, (I) 137 Aisner J, (I) 139 Allen S, (I) 139 Alving B, (I) 139 Andrada F, (I) 137 Antman K, (I) 139 Argyros G, (I) 140 Ascher D, (I) 142 Baker J, (I) 139 Baker L, (I) 139 Balcerzak S, (I) 139 Barlogie B, (I) 139 Bast R, (I) 139 Becker J, (I) 142 Bowen P, (I) 136, 137, 138 Brewer T, (I) 137 Brown H, (I) 141 Browning S, (I) 139 Burger P, (I) 142 Burgess L, (I) 143 Burkhalter E, (I) 137 Burman K, (I) 139 Busacco D, (I) 142 Campos-Esteve M, (I) 136 Carr F, (I) 136, 139 Carr M, (I) 142, 143 Chang A, (I) 142 Clamon G, (I) 139 Coats M, (I) 141 Colon E, (I) 142 Coniglio D, (I) 139 Cooper B, (I) 139 Cooper M, (I) 139 Cord M, (I) 142 Cremins J, (I) 137 Crowley J, (I) 139 Dadakia S, (I) 138 Davis C, (I) 142 Davis F, (I) 138 Diehl L, (I) 139 Dillard T, (I) 140 Doroshow J, (I) 139 Duggan D, (I) 139 Duncan W, (I) 136 Earls J, (I) 142 Eaton C, (I) 137 Eisenhauer M, (I) 140 Elias A, (I) 139

^{*} Reference is to page number(s) in Volume I

AUTHOR INDEX*

PUBLICATIONS/PRESENTATIONS BY DEPARTMENT/SERVICE AND AUTHOR FROM PROTOCOLS CLOSED PRIOR TO FY-94

Eliasson A, (I) 140, 141 Fabry D, (I) 142 Fajardo J, (I) 142 Fein H, (I) 136 Fischer G, (I) 142 Fishbach N, (I) 140 Fisher C, (I) 136 Foley E, (I) 142 Gary-Stephens M, (I) 141 Gilbert C, (I) 139 Gilchrist W, (I) 137 Glass A, (I) 136, 137 Grafman J, (I) 141 Greilich P, (I) 142 Hart M, (I) 141 Henderson I, (I) 139 Herbers J, (I) 139 Heroman W, (I) 142 Hershey J, (I) 137 Heyes M, (I) 141 Hnatiuk O, (I) 140 Hurd D, (I) 139 Hurwitz K, (I) 140 Jabbari B, (I) 141 Jones R, (I) 139 Kern J, (I) 141 Kikendall J, (I) 136, 137, 138 Kraft J, (I) 141 Krishnan J, (I) 139 Kroenke K, (I) 138 Kufs W, (I) 136 Kurtsburg J, (I) 139 Lahiri S, (I) 136 Laird J, (I) 136 Landry F, (I) 138 Lane W, (I) 140 Larsen B, (I) 137 Law W, (I) 141 Leek M, (I) 142 Lepler L, (I) 140 Livermore G, (I) 143 Lucas C, (I) 138 Luk G, (I) 137, 138 Mapou R, (I) 141 Marks L, (I) 139 Martin A, (I) 141 Mathias B, (I) 139 Maydonovitch C, (I) 137, 138

^{*} Reference is to page number(s) in Volume I

AUTHOR INDEX*

PUBLICATIONS/PRESENTATIONS BY DEPARTMENT/SERVICE AND AUTHOR FROM PROTOCOLS CLOSED PRIOR TO FY-94

McAdams H, (I) 142 McNally P, (I) 138 Meisenberg B, (I) 139 Mendiola J, (I) 142 Montgomery A, (I) 142 Moses F, (I) 137 Mosijczuk A, (I) 142 Moul J, (I) 143 Murphy J, (I) 137, 138 Nair P, (I) 137 Natale R, (I) 139 Nelson R, (I) 138 Nicholson D, (I) 136 Nigro M, (I) 142 Noel G, (I) 139 Norton L, (I) 139 O'Neill B, (I) 142 Parker J, (I) 138 Peele M, (I) 139 Peller P, (I) 137 Peller T, (I) 137 Peters W, (I) 139 Peterson B, (I) 139 Petros W, (I) 139 Phillips Y, (I) 137, 138, 140, 141 Pickett B, (I) 143 Pike J, (I) 140 Price R, (I) 138 Pugh R, (I) 139 Reed W, (I) 139 Reeder J, (I) 141 Reid A, (I) 139 Reid T, (I) 143 Rivkin S, (I) 139 Roach J, (I) 140, 141 Rosenberg M, (I) 138 Rosner G, (I) 139 Ross M, (I) 139 Salata K, (I) 137 Salazar A, (I) 141 Schaaf M, (I) 136, 138 Schaudies R, (I) 137 Scherokman B, (I) 138, 141 Schiffer C, (I) 139 Schwab K, (I) 141 Shpall E, (I) 139 Sinoff S, (I) 141 Smallridge R, (I) 136

^{*} Reference is to page number(s) in Volume I

AUTHOR INDEX*

PUBLICATIONS/PRESENTATIONS BY DEPARTMENT/SERVICE AND AUTHOR FROM PROTOCOLS CLOSED PRIOR TO FY-94

Smith M, (I) 138 Sobin L, (I) 136, 137, 138 Solomon B, (I) 136 Stacewicz-Sapuntzakis M, (I) 138 Stamm C, (I) 137 Stoltzfus D, (I) 140 Sutter E, (I) 138 Swartz A, (I) 141 Tang D, (I) 137, 138 Taylor A, (I) 140 Thomas P, (I) 142 Tijerina M, (I) 141 Torrington K, (I) 140, 141 Trump D, (I) 139 Tseng Y, (I) 136 Tzikas T, (I) 143 Vougough V, (I) 143 Vredenburgh J, (I) 139 Vukelja S, (I) 139 Waecker N, (I) 142 Walden B, (I) 142 Wartofsky L, (I) 136 Weiss R, (I) 139 Weisse M, (I) 142 Wessendorf M, (I) 136 Williams J, (I) 141 Willis S, (I) 138 Winer E, (I) 139 Wong N, (I) 136 Wong R, (I) 137, 138 Wortham D, (I) 136 Wu K, (I) 139 Yoder B, (I) 142 Zekert S, (I) 142

^{*} Reference is to page number(s) in Volume I

PUBLICATIONS/PRESENTATIONS BY DEPARTMENT/SERVICE AND AUTHOR NOT RELATED TO APPROVED CLINICAL INVESTIGATION PROTOCOLS

Abbondanza S, (I) 172 Acheson D, (I) 173 Aikawa M, (I) 161 Alessio M, (I) 160 Alijani T, (I) 188 Allan A, (I) 148 Allegra C, (I) 157, 158 Alving B, (I) 155, 156, 157, 158, 159, 200 Amundson D, (I) 153 Andejeski T, (I) 157 Anderson J, (I) 150, 158 Anderson M, (I) 177 Andrews J, (I) 163, 179 Angritt P, (I) 150, 163 Antoine G, (I) 200 Antoine J, (I) 180 Arbuck S, (I) 157 Arduino J, (I) 162 Argyros G, (I) 166, 184, 185 Armonda R, (I) 171, 193, 198 Armstrong S, (I) 176 Aronson N, (I) 161 Arthur D, (I) 158 Arthur R, (I) 146 Asplund L, (I) 196 Atoloagbe T, (I) 174 Babcock J, (I) 156 Bachinski M, (I) 152 Badger G, (I) 161 Baker W, (I) 156 Bales J, (I) 160 Balingit A, (I) 179 Bamberger P, (I) 185, 188 Barker J, (I) 174 Barr C, (I) 157 Battin L, (I) 153 Batty D, (I) 188, 189 Batzri S, (I) 188, 190, 191 Bauer F, (I) 148, 167 Baxter D, (I) 163 Beadle C, (I) 161 Beard J, (I) 148, 149 Becker H, (I) 169 Beckett L, (I) 162 Beier J, (I) 160, 161 Belman M, (I) 164 Benedek D, (I) 177 Benson P, (I) 144, 145, 148, 149, 150, 160

^{*} Reference is to page number(s) in Volume I

PUBLICATIONS/PRESENTATIONS BY DEPARTMENT/SERVICE AND AUTHOR NOT RELATED TO APPROVED CLINICAL INVESTIGATION PROTOCOLS

Berg B, (I) 151 Bergen R, (I) 158 Berger T, (I) 145, 146, 171 Bergman W, (I) 193 Berman J, (I) 160, 161, 163 Bernard H, (I) 179 Berrey B, (I) 195, 198 Bettencourt J, (I) 180 Beveridge R, (I) 157 Bilello J, (I) 190 Bilello K, (I) 164 Billups L, (I) 174 Binder R, (I) 157 Birx D, (I) 160 Biswas R, (I) 172 Blair E, (I) 200 Blanck R, (I) 155 Blatt S, (I) 153 Bloomfield C, (I 158) Blumenthal D, (I) 153, 155 Blumenthal R, (I) 147, 148 Blumgart L, (I) 188, 189 Boan C, (I) 157 Bock H, (I) 175 Bodihidata D, (I) 147 Boedeker B, (I) 173, 181, 182 Bolan C, (I) 156 Boley T, (I) 170 Bolger W, (I) 200 Bolls C, (I) 173 Bolt S, (I) 181 Botet J, (I) 189 Botros B, (I) 146 Boyd E, (I) 200 Brabyn C, (I) 158 Braida L, (I) 184 Braiman J, (I) 167 Braverman S, (I) 176 Brengman M, (I) 186 Brennan M, (I) 190, 192 Brewer T, (I) 163 Brinker J, (I) 147, 148 Brown A, (I) 161 Brown K, (I) 189 Bruderer B, (I) 191 Brundage J, (I) 160, 161 Brunetto V, (I) 158 Bryant P, (I) 175

^{*} Reference is to page number(s) in Volume I

PUBLICATIONS/PRESENTATIONS BY DEPARTMENT/SERVICE AND AUTHOR NOT RELATED TO APPROVED CLINICAL INVESTIGATION PROTOCOLS

Bunda M, (I) 148 Bunger R, (I) 181, 183 Burch H, (I) 150 Burgess D, (I) 174 Burke D, (I) 160, 162, 163 Burman K, (I) 150, 151 Burnham K, (I) 181, 182 Burrell L, (I) 158, 189 Burris D, (I) 164, 166, 187 Burt M, (I) 190, 192 Butzin C, (I) 153 Buzard G, (I) 201 Byrd J, (I) 156, 159, 160 Byron J, (I) 170, 171 Cail W, (I) 200 Calkins M, (I) 181, 182 Callaghan J, (I) 195 Canpos-Estve M, (I) 147 Carpenter G, (I) 144, 145, 159, 160 Carr M, (I) 181, 182 Carregal V, (I) 144, 145 Carter A, (I) 147, 148 Carter R, (I) 181 Carter T, (I) 192, 194, 198 Carver J, (I) 188 Cartwright J, (I) 179 Case S, (I) 151 Casinelli P, (I) 181 Casler J, (I) 200 Caspar E, (I) 190 Castello P, (I) 193 Celleon D, (I) 173 Chadduck W, (I) 193 Chambers S, (I) 171 Chan C, (I) 146, 147 Chandler D, (I) 183 Chang A, (I) 146, 151, 181, 183 Chapman R, (I) 151 Chapman W, (I) 192 Chen B, (I) 157, 164 Chiu Y-M, (I) 146 Christian M, (I) 159 Christopherson R, (I) 151 Chumo D, (I) 160 Chung R, (I) 155, 160, 161, 162, 163 Church C, (I) 146 Ciraulo D, (I) 185 Citrin C, (I) 193

^{*} Reference is to page number(s) in Volume I

ADDENDUM

AUTHOR INDEX*

PUBLICATIONS/PRESENTATIONS BY DEPARTMENT/SERVICE AND AUTHOR NOT RELATED TO APPROVED CLINICAL INVESTIGATION PROTOCOLS

Clawson L, (I) 176 Clement S, (I) 151 Close H, (I) 200 Cobb J, (I) 182 Cockerham G, (I) 195 Cockerhill D, (I) 195 Cohen A, (I) 181 Coit D, (I) 190 Cole F, (I) 164 Colleton C, (I) 157, 174 Collins H, (I) 158 Colon E, (I) 189 Coombs V, (I) 147, 148 Cooper L, (I) 174 Cooper M, (I) 158 Cortese L, (I) 160 Corwin A, (I) 146 Coster T, (I) 148 Cowan D, (I) 195 Cowan K, (I) 159 Cozza K, (I) 176 Cremins J, (I) 152 Crespo I, (I) 152 Crowe M, (I) 149 Crowl F, (I) 182 Crumpacker C, (I) 162 Cucinell S, (I) 192 Cunningham J, (I) 188 Cuozzo D, (I) 149, 150 Cutting M, (I) 157 Dalal J, (I) 147, 148 Dacey M, (I) 165 D'Addio V, (I) 188 D'Alesandro M, (I) 151 Darwish M, (I) 146 Dasch G, (I) 146, 147, 163 Davey F, (I) 158 Davis W, (I) 144 Dawson N, (I) 156, 157, 159 De Bauche D, (I) 175 Deffer P, (I) 195 Dennis G, (I) 165, 167 Dent R, (I) 182 Devoid D, (I) 172 Di Bisceglie A, (I) 172 Diehl L, (I) 156, 157, 159, 160 Diggs C, (I) 160 Dillard T, (I) 165

^{*} Reference is to page number(s) in Volume I

PUBLICATIONS/PRESENTATIONS BY DEPARTMENT/SERVICE AND AUTHOR NOT RELATED TO APPROVED CLINICAL INVESTIGATION PROTOCOLS

Djuh Y-Y, (I) 150 Dodd K, (I) 164, 165 Donovan D, (I) 193, 198 Dons B, (I) 151 Dougherty D, (I) 176, 177 Dow N, (I) 171 Doyle M, (I) 176 Drabick J, (I) 160 Drucker W, (I) 187 Dryzer T, (I) 200 Duggan D, (I) 158 Duncan W, (I) 151 Dunn C, (I) 149 Dwyer T, (I) 165 Dykes E, (I) 192 Eamsila C, (I) 147 Earls J, (I) 189 Edison D, (I) 176 Edwards J, (I) 155 Elias S, (I) 199 Eliasson A, (I) 164, 165, 185 Ellenbogen R, (I) 193, 194 Elliott D, (I) 185, 186, 187, 188, 189 Elliott J, (I) 199 Elsayed N, (I) 164, 165 Endy T, (I) 160, 162 Eng G, (I) 175 Engel C, (I) 153 Engler R, (I) 144, 145, 160, 165, 186 Erickson M, (I) 167 Eror A, (I) 189 Evans D, (I) 151 Ferrell R, (I) 153 Fielding C, (I) 171 Figg W, (I) 158 Finder K, (I) 149 Findlay S, (I) 146 Finger M, (I) 201 Finkelman F, (I) 172, 173, 174 Fitzpatrick T, (I) 164, 165, 166, 187 Fleckenstein L, (I) 163 Fleischer G, (I) 186 Foley E, (I) 181, 183 Foley K, (I) 193 Fong Y, (I) 188 Fontana J, (I) 181, 182 Franke E, (I) 160, 161 Frei E, (I) 159

^{*} Reference is to page number(s) in Volume I

PUBLICATIONS/PRESENTATIONS BY DEPARTMENT/SERVICE AND AUTHOR NOT RELATED TO APPROVED CLINICAL INVESTIGATION PROTOCOLS

Friedman K, (I) 150 Frishberg D, (I) 148, 174 Frisman D, (I) 150, 163 Froelich E, (I) 180 Furnia A, (I) 153 Gachihi G, (I) 163 Gaddipati J, (I) 201, 202 Gafni A, (I) 154 Gaither N, (I) 183 Galapon D, (I) 189 Gallasch K, (I) 171 Galvin M, (I) 150 Gamble W, (I) 195 Garrett M, (I) 189 Gasch G, (I) 146 Gasser R Jr, (I) 160, 161, 162 Gavigan M, (I) 159 Gemmill R, (I) 161 Ghigo D, (I) 160 Giangeruso E, (I) 157 Giblin W, (I) 149 Gigg D, (I) 156 Gilbert G, (I) 166 Glass K, (I) 159, 165 Gloth S, (I) 147, 148 Goedert J, (I) 172 Goldberg W, (I) 188, 191 Goldhill J, (I) 172, 173, 174 Goldspiel B, (I) 157, 195 Gomez E, (I) 157, 166, 167, 188, 192 Gordon J, (I) 180 Graham R, (I) 146 Grant K, (I) 184 Grantham D, (I) 183 Graves E, (I) 171 Grayson M, (I) 175 Greco N, (I) 160 Greilich P, (I) 181, 182 Green D, (I) 175, 187 Greenman P, (I) 186 Greenstein F, (I) 202 Grem J, (I) 157 Grieger T, (I) 176 Griffin G, (I) 171 Grogl M, (I) 160, 161, 162 Gurney C, (I) 169 Guzzi L, (I) 186, 188 Habib M, (I) 146

^{*} Reference is to page number(s) in Volume I

PUBLICATIONS/PRESENTATIONS BY DEPARTMENT/SERVICE AND AUTHOR NOT RELATED TO APPROVED CLINICAL INVESTIGATION PROTOCOLS

Haddy F, (I) 164 Hadro N, (I) 189 Hagan M, (I) 179 Hakim F, (I) 159 Hale D, (I) 188, 189, 190, 191, 192 Hallett M, (I) 167 Hamblet J, (I) 169 Hamelink J, (I) 157 Hamilton J, (I) 157, 163 Hamlyn J, (I) 164 Hammer S, (I) 162 Hann L, (I) 189 Hansen M, (I) 156, 196 Hargis J, (I) 157, 160 Harmon J, (I) 188, 191 Harrington A, (I) 148, 149 Hartigan P, (I) 163 Hartman K, (I) 156, 174 Harviel J, (I) 192 Hatch R, (I) 165, 186 Hathaway T, (I) 192 Hawley-Bowland C, (I) 171 Haynes D, (I) 181, 182 Hays M, (I) 151 Headlee D, (I) 156, 158, 159 Heidenberg H, (I) 200 Heimer W, (I) 150 Henderson N, (I) 175 Hendrix C, (I) 153 Henson K, (I) 148 Heppner D Jr, (I) 161 Herbers J, (I) 154 Herden M, (I) 175 Hershey J, (I) 144, 145, 147 Hesslink R, (I) 151 Hickman M, (I) 171 Hilsenbeck S, (I) 154 Hirota W, (I) 166 Ho C, (I) 172, 202 Hoffman S, (I) 160, 161 Holcomb J, (I) 189 Hollifield R, (I) 195 Holm C, (I) 171 Holt W, (I) 144, 145 Hom R, (I) 202 Hopkinson W, (I) 196, 199 Hospental D, (I) 156, 159, 160 Howard R, (I) 159, 195

^{*} Reference is to page number(s) in Volume I

PUBLICATIONS/PRESENTATIONS BY DEPARTMENT/SERVICE AND AUTHOR NOT RELATED TO APPROVED CLINICAL INVESTIGATION PROTOCOLS

```
Howe J, (I) 175
Hudak J, (I) 169
Hugh M, (I) 144
Huh M, (I) 145
Hume R, (I) 192
Huntley D, (I) 155
Hurwitz K, (I) 185
Ilstrup D, (I) 191
Isenbarger D, (I) 161
Ista C, (I) 198
Jabbari B, (I) 167, 176
Jackson M, (I) 157
Jackson R, (I) 188, 192
Jaffin J, (I) 164, 166, 192
James W, (I) 148, 149, 150, 160, 163
Jamieson G, (I) 160
Janssen D, (I) 163
Januskiewicz A, (I) 165, 187
Japour A, (I) 162
Jaques D, (I) 150, 185, 186, 188, 189, 190, 192
Javier J, (I) 148
Jeffers D, (I) 153, 154
Johnson A, (I) 163
Johnson C, (I) 188
Johnson J, (I) 200
Johnson L, (I) 152
Johnson S, (I) 161, 162, 163
Johnstone W, (I) 179
Jones B, (I) 195
Jones C, (I) 181
Jones D, (I) 153, 154
Jordon E, (I) 157
Jordon M, (I) 192
Jossart G, (I) 150
Joy R, (I) 153, 154
Kahn D, (I) 202
Kahn K, (I) 202
Kales A, (I) 157
Kaplan R, (I) 186
Karan S, (I) 182
Kark J, (I) 157
Karpa M, (I) 182
Karpeh M, (I) 192
Kasili S, (I) 163
Katon W, (I) 153
Katz R, (I) 149
Kaushal S, (I) 157
Kazacs E, (I) 188
```

^{*} Reference is to page number(s) in Volume I

PUBLICATIONS/PRESENTATIONS BY DEPARTMENT/SERVICE AND AUTHOR NOT RELATED TO APPROVED CLINICAL INVESTIGATION PROTOCOLS

Kelly D, (I) 146, 147, 163 Kennedy D, (I) 200 Kent K, (I) 148 Kessler S, (I) 157 Kester K, (I) 156, 160 Kikendall J, (I) 152 Kilkelly F, (I) 196 Killen A, (I) 169 Kim B, (I) 192 Kim C, (I) 195 King A, (I) 160 King C, (I) 169 Kirigi G, (I) 163 Klein R, (I) 179 Klimstra D, (I) 189 Kline M, (I) 181, 182 Knutson S, (I) 165 Kobayashi K, (I) 156 Kobrine A, (I) 163 Koech D, (I) 160 Kohler D, (I) 158, 159 Koppelman J, (I) 170 Korge B, (I) 149 Kosanderle, (I) 188 Koski K, (I) 167 Kovach J, (I) 148 Kramer K, (I) 195 Krishnamurti C, (I) 156, 157 Krivda S, (I) 149 Kroenke K, (I) 153, 154, 155 Kushner J, (I) 151 Kryzer T, (I) 200 Kufs W, (I) 147 Kumke K, (I) 186 Kushner J, (I) 151 Kuzma P, (I) 182 Kweeder S, (I) 156 La Russa V, (I) 157 Labbate L, (I) 176, 177 Labutta R, (I) 167 Ladwig M, (I) 157, 171 Lafer B, (I) 176, 177 Laird J, (I) 147 Lambert P, (I) 200 Landry F, (I) 153, 154 Lane B, (I) 190 Lane J, (I) 162 Larson K, (I) 160

^{*} Reference is to page number(s) in Volume I

PUBLICATIONS/PRESENTATIONS BY DEPARTMENT/SERVICE AND AUTHOR NOT RELATED TO APPROVED CLINICAL INVESTIGATION PROTOCOLS

Latimer M, (I) 145 Lauwers D, (I) 192 Lawrence V, (I) 154 Lazas D, (I) 152 Ledsky R, (I) 160 Lee D, (I) 175 Leek M, (I) 183 Leff M, (I) 177 Lenhart M, (I) 196, 197 Lentz L, (I) 175 Leon M, (I) 148 Lepler L, (I) 164, 166 Levin L, (I) 161 Lewis D, (I) 202 Lieberman M, (I) 190 Lindstrom J, (I) 163 Lineham W, (I) 158 Lippert L, (I) 171 Lojeski E, (I) 182, 183 Long J, (I) 181 Longfield J, (I) 161 Lucas C, (I) 177 Lucas D, (I) 158 Lucey C, (I) 153, 154 Lucey D, (I) 153 Luk G, (I) 152 Lupkus R, (I) 181 Lupton G, (I) 149, 160 Macarthy P, (I) 160 Madigan W, (I) 195 Maeno Y, (I) 161 Maggio M, (I) 172 Magill A, (I) 160, 161, 162 Magruder C, (I) 161 Maher P, (I) 202 Malavesi M, (I) 160 Malcolm D, (I) 164, 166, 187 Mangan K, (I) 158 Maniscalco-Theberge M, (I) 185, 186, 187, 188, 191 Mann E, (I) 200 Manoun T, (I) 165 Mansfield J, (I) 160 Manunta P, (I) 164 Marin R, (I) 175 Markenson G, (I) 170 Martin B, (I) 151, 185 Marx W, (I) 188 Maslow A, (I) 170

^{*} Reference is to page number(s) in Volume I

PUBLICATIONS/PRESENTATIONS BY DEPARTMENT/SERVICE AND AUTHOR NOT RELATED TO APPROVED CLINICAL INVESTIGATION PROTOCOLS

Mason J, (I) 193, 199 Mattix M, (I) 181, 182 Maybee D, (I) 174 Maydonovitch C, (I) 152, 153 Maygarden S, (I) 202 Mayer A, (I) 171 Mayer M, (I) 193, 200 Mayer R, (I) 158 Mayers D, (I) 162, 163 Mayorga M, (I) 165, 187 Mays R, (I) 180 Mbugua J, (I) 163 McAleer I, (I) 190 McAtee N, (I) 157 McCormack E, (I) 145 McCormick S, (I) 152 McElroy P, (I) 161 McHale K, (I) 196, 197, 199 McIntyre O, (I) 158, 159 McKinney L, (I) 198, 199 McLeod D, (I) 162 McLeod G, (I) 201, 202 McLoughlin T, (I) 183 McMarlin S, (I) 149 McQueen C, (I) 152 Mellen P, (I) 171 Melendez J, (I) 188 Mena H, (I) 172 Menezes A, (I) 193, 194 Meter J, (I) 196 Metzger D, (I) 175 Meyer G, (I) 153, 154, 155 Milazzo M, (I) 161 Miles R, (I) 167 Millard F, (I) 158 Miller A, (I) 157, 158 Miller D, (I) 196 Miller J, (I) 157 Milnor W, (I) 196 Mills L, (I) 182, 183, 186 Mills W, (I) 151 Miner T, (I) 181 Minkoff H, (I) 172 Mintz G, (I) 148 Mitchell K, (I) 185 Miyazawa K, (I) 170 Molloy M, (I) 188, 189, 190, 191, 192 Monacci W, (I) 193, 194, 198

^{*} Reference is to page number(s) in Volume I

PUBLICATIONS/PRESENTATIONS BY DEPARTMENT/SERVICE AND AUTHOR NOT RELATED TO APPROVED CLINICAL INVESTIGATION PROTOCOLS

```
Mondragon D, (I) 155
Mongan P, (I) 183
Montemarano A, (I) 149
Moore P, (I) 181
Moores L, (I) 165, 194
Morgan J, (I) 146
Morgan K, (I) 148
Morris S, (I) 172, 173, 174
Morrison F, (I) 175
Mosca J, (I) 157
Moses F, (I) 152
Mosijczuk A, (I) 175
Moss F, (I) 152
Mostofi F, (I) 201
Moul J, (I) 172, 201, 202
Mugo M, (I) 163
Muigai R, (I) 163
Muldoon S, (I) 182
Mullaney M, (I) 158
Mullet C, (I) 173
Mulvey K, (I) 158
Murphy F, (I) 165
Murphy J, (I) 152
Murphy K, (I) 152
Murphy M, (I) 156
Myers C, (I) 156, 158, 159
Myhand R, (I) 158, 159
Nearing B, (I) 148
Nelson B, (I) 171
Nelson H, (I) 191
Newman R, (I) 158
Nicely E, (I) 172
North E, (I) 175
Noone M, (I) 159
Nowlin J, (I) 200
Nutman T, (I) 160
Nguyen H, (I) 166
O'Hair K, (I) 199
O'Neill B, (I) 181, 183
O'Shaughnessy J, (I) 159
Ockenhouse C, (I) 160, 161, 162
Ogilvie J, (I) 198
Ohl C, (I) 167
Oloo A, (I) 161
Olson E, (I) 198, 199
Olson J, (I) 146
Ondra S, (I) 177, 193, 194, 195, 197, 198, 200
Onyango F, (I) 160
```

^{*} Reference is to page number(s) in Volume I

PUBLICATIONS/PRESENTATIONS BY DEPARTMENT/SERVICE AND AUTHOR NOT RELATED TO APPROVED CLINICAL INVESTIGATION PROTOCOLS

```
Ordas D, (I) 177
Osenbach R, (I) 193, 194
Oster C, (I) 144, 160, 161, 162, 163
Otchy D, (I) 191
Otto M, (I) 176
Pacicco T, (I) 151
Painter J, (I) 148
Pamnani M, (I) 164
Panasci L, (I) 159
Pangaro L, (I) 154, 177
Paparello S, (I) 167
Parenti D, (I) 163
Park R, (I) 171
Parker J, (I) 165, 186, 187
Parson D, (I) 200
Paxton H, (I) 146, 147
Pearl R, (I) 185, 188, 189, 190, 191, 192
Pederson A, (I) 156
Peeele K, (I) 195
Peele M, (I) 151
Perkins P, (I) 160
Peterson B, (I) 158, 159
Phelps J, (I) 171
Phillips Y, (I) 164, 165, 166, 185
Pichard A, (I) 148
Pickett B, (I) 200
Pineiro-Carrero V, (I) 172, 173, 174
Pinyopornpanit V, (I) 147
Place H, (I) 193
Pollack G, (I) 170
Pollack M, (I) 176, 177
Pollner J, (I) 163
Polly D, (I) 193, 194, 195, 196, 197, 198
Polo K, (I) 167
Pope R, (I) 198
Popek E, (I) 170
Popma J, (I) 148
Popovic N, (I) 197, 198, 199
Poropatich R, (I) 166, 167
Porter C, (I) 164, 170
Powell C, (I) 166, 187
Prewitt K, (I) 148
Pridham K, (I) 146
Primo L, (I) 160
Pryzbylik J, (I) 174
Puckett T, (I) 195
Pyne M, (I) 176, 177
Quesada M, (I) 151
```

^{*} Reference is to page number(s) in Volume I

PUBLICATIONS/PRESENTATIONS BY DEPARTMENT/SERVICE AND AUTHOR NOT RELATED TO APPROVED CLINICAL INVESTIGATION PROTOCOLS

Radford B, (I) 145 Radulovic S, (I) 163 Randle D, (I) 187 Rapacki T, (I) 181 Rashid J, (I) 163 Ratelle S, (I) 155 Ray K, (I) 161 Rayburn D, (I) 166 Read J, (I) 170 Redfield R, (I) 160 Redmond J, (I) 158 Reed H, (I) 151 Reed S, (I) 162 Reeder J, (I) 169 Reich P, (I) 202 Reichman R, (I) 162 Reid T, (I) 157, 158 Reilly T, (I) 157 Renn R, (I) 184 Resar J, (I) 148 Reynolds H, (I) 186 Reynolds P, (I) 181 Rhoads J, (I) 160 Rhooms P, (I) 150 Ribas J, (I) 172 Richards A, (I) 146 Ries M, (I) 187 Rimm W, (I) 195 Ritchie E, (I) 177 Rives C, (I) 146 Roach J, (I) 185 Roberts C, (I) 160, 161, 162, 163 Robinson J, (I) 195 Robinson M, (I) 176 Robels H, (I) 167, 174 Robson M, (I) 157 Rodriguez A, (I) 187 Rodriguez R, (I) 144, 145 Rosenbaum J, (I) 176, 177 Ross A, (I) 202 Roy M, (I) 155 Royston I, (I) 158 Ruck D, (I) 177 Rueda-Pedraza E, (I) 172 Ruiz P, (I) 180 Rutkowski D, (I) 170 Salata K, (I) 145, 146, 147, 171, 174 Salazar A, (I) 167, 168, 176, 177, 193

^{*} Reference is to page number(s) in Volume I

PUBLICATIONS/PRESENTATIONS BY DEPARTMENT/SERVICE AND AUTHOR NOT RELATED TO APPROVED CLINICAL INVESTIGATION PROTOCOLS

Sanchez J, (I) 146 Sandler D, (I) 158 Sanes J, (I) 167 Sartell K, (I) 159 Sartor O, (I) 156, 159 Satler L, (I) 148 Sau P, (I) 148, 149, 150 Sawson N, (I) 158 Sayles J, (I) 192 Schaaf M, (I) 152 Schaefer K, (I) 163 Schenkman N, (I) 172, 202 Scherockman B, (I) 193 Schiffer C, (I) 158 Schneider E, (I) 159 Schultz A, (I) 154 Schultz S, (I) 164, 166, 187 Schuster B, (I) 163 Schutt D, (I) 189, 192 Schwab R, (I) 149 Schwartz A, (I) 163, 182 Schwartz P, (I) 171 Scrogin A, (I) 151 Selzer J, (I) 146 Sesterhenn I, (I) 202 Shannon M, (I) 193 Shafrir Y, (I) 168 Shaver T, (I) 188 Shea-Donohue T, (I) 172, 173, 174 Sheeley E, (I) 177 Sherr T, (I) 147 Sherwood J, (I) 160, 161, 163 Shore D, (I) 158 Shriver C, (I) 188, 189, 190, 192 Sidman J, (I) 200 Sie A, (I) 146 Silver R, (I) 158 Simberkoff M, (I) 163 Simon G, (I) 163 Simonds G, (I) 193, 194 Simmons T, (I) 193 Singer D, (I) 155, 179 Sirisanthana T, (I) 147 Sirisanthana V, (I) 147 Sizemore D, (I) 160 Sjogren M, (I) 152 Sjogren R, (I) 172, 173, 174 Skelton H, (I) 149, 150, 163

^{*} Reference is to page number(s) in Volume I

AUTHOR INDEX*

PUBLICATIONS/PRESENTATIONS BY DEPARTMENT/SERVICE AND AUTHOR NOT RELATED TO APPROVED CLINICAL INVESTIGATION PROTOCOLS

```
Skillman D, (I) 163
Skillman L, (I) 148
Smack D, (I) 149
Smith A, (II) 195
Smith B, (I) 202
Smith C, (I) 161
Smith G, (I) 195
Smith K, (I) 149, 150, 160, 163
Smith L, (I) 160
Smith M, (I) 151, 152
Smith S, (I) 151
Smolin M, (I) 148
Solomon B, (I) 151
Sorensen G, (I) 149
Southby J, (I) 169
Sover E, (I) 157
Speer K, (I) 195
Sperling L, (I) 149, 150
Sprague M, (I) 179
Spritzer C, (I) 195
Squire E, (I) 144, 145, 160
Srivastava S, (I) 201, 202
St. Clair M, (I) 163
St. Pierre P, (I) 199
Stachelski S, (I) 192
Stambaugh K, (I) 200
Starnes B, (I) 192
Stasko T, (I) 148, 149
Staudenmeier J, (I) 177
Steinbaum S, (I) 192
Steinberg S, (I) 157
Stern T, (I) 177
Stojadinovic A, (I) 192
Stolte A, (I) 182
Stoltzfus D, (I) 187
Stoute J, (I) 160
Strickland W, (I) 175
Strickman D, (I) 146, 147
Stuart J, (I) 199
Stuifbergen A, (I) 169
Sturm L, (I) 181
Sullivan M, (I) 160
Sullivan N, (I) 167
Swanson S, (I) 188
Swartz G, (I) 159
Szigeti J, (I) 171
Tandon N, (I) 160
Tang D, (I) 152, 156, 157
```

^{*} Reference is to page number(s) in Volume I

PUBLICATIONS/PRESENTATIONS BY DEPARTMENT/SERVICE AND AUTHOR NOT RELATED TO APPROVED CLINICAL INVESTIGATION PROTOCOLS

Tang F, (I) 156 Tanskul P, (I) 147 Tegoshi T, (I) 161 Temple H, (I) 196 Tesar G, (I) 176, 177 Thach A, (I) 195 Theroux J, (I) 154 Thibault A, (I) 159 Thompson J, (I) 157, 166 Thompson K, (I) 147 Thurnher M, (I) 148 Tibbetts G, (I) 151 Tochner, (I) 179 Tolcher A, (I) 159 Tomich D, (I) 153 Tompkins A, (I) 156, 159 Toro L, (I) 157 Torrington K, (I) 164, 166, 185 Trakimas C, (I) 150 Tramont E, (I) 162 Trotter J, (I) 202 Trump D, (I) 158 Truwit J, (I) 166 Tseng P, (I) 171 Tseng L, (I) 173 Tsou H, (I) 148 Tuley M, (I) 154 Turiansky G, (I) 149 Turner B, (I) 151 Uhorchak J, (I) 199 Uruburu A, (I) 169 Vahey M, (I) 162, 163 Van Albert S, (I) 166 van Heerden J, (I) 191 Vavro C, (I) 163 Vennos L, (I) 150 Verma A, (I) 188 Vernalis M, (I) 148 Verrier R, (I) 148 Vire D, (I) 161 Vogel P, (I) 150 Vogelgesang S, (I) 167 Vogelzang N, (I) 156, 157, 159 Vukelja S, (I) 156, 157 Wagner K, (I) 162, 163 Walden B, (I) 184 Walker D, (I) 163 Waller P, (I) 169

^{*} Reference is to page number(s) in Volume I

PUBLICATIONS/PRESENTATIONS BY DEPARTMENT/SERVICE AND AUTHOR NOT RELATED TO APPROVED CLINICAL INVESTIGATION PROTOCOLS

Ward F, (I) 157 Ward J, (I) 171 Warden D, (I) 176, 177 Ware J, (I) 202 Wartofsky L, (I) 151 Wassef N, (I) 159 Wasunna K, (I) 163 Watt G, (I) 147 Watts D, (I) 146 Weaver A, (I) 191 Weddle J, (I) 146, 147 Weghorst C, (I) 201 Weidner S, (I) 156, 160 Weinberger B, (I) 158 Weinberger M, (I) 159 Weislow O, (I) 162, 163 Weiss J, (I) 156 Weiss R, (I) 156, 157, 158, 159 Weissman J, (I) 200 Weitzel M, (I) 169 Welborn L, (I) 181 Welch M, (I) 150 Were J, (I) 163 Wertz D, (I) 195 Whiting D, (I) 150 Whitmire R, (I) 160 Wierzba T, (I) 160 Wiesen A, (I) 159 Wiles C, (I) 186 Williams C, (I) 151 Williams G, (I) 182 Williams S, (I) 192 Williams W, (I) 163 Wilson R, (I) 172 Winquist R, (I) 199 Winslow D, (I) 162 Winter L, (I) 191 Wiswell T, (I) 192 Wolff B, (I) 191 Wong N, (I) 177, 178, 179 Wong R, (I) 152, 153 Wortham D, (I) 147, 148 Wurster-Hill D, (I) 158 Yager J, (I) 154 Yamada T, (I) 194 Yavorski R, (I) 152, 153 Yeager J, (I) 150, 163 Yee L, (I) 183

^{*} Reference is to page number(s) in Volume I

AUTHOR INDEX*

PUBLICATIONS/PRESENTATIONS BY DEPARTMENT/SERVICE AND AUTHOR NOT RELATED TO APPROVED CLINICAL INVESTIGATION PROTOCOLS

Young B, (I) 151
Young P, (I) 182
Young S, (I) 179
Yuan C, (I) 164
Zajtchuk J, (I) 166, 167
Zeiger R, (I) 146
Zekert S, (I) 182
Zhou S, (I) 162, 163
Zurcher R, (I) 181, 183

^{*} Reference is to page number(s) in Volume I

```
Abdel-rahim, M, 333
Abt, M, 545
Adebonojo, S, 239
Alving, B, 197, 201, 464
Anderson, D, 44
Anderson, J, 446
Argyros, G, 244
Aronson, N, 485
Ashton, W, 348
Atwa, M, 157
Bailey, L, 37
Barry, M, 487
Baumgartner, J, 39
Beamer, S, 474
Beard, J, 130
Beattie, B, 432
Becker, G, 227
Belandres, P, 428
Belliveau, P, 440
Benedek, D, 434
Berg, B, 225
Berger, T, 11
Bernet, V, 158, 165
Bettencourt, J, 458
Bilello, J, 234
Billups, L, 29, 30
Birx, D, 45, 53, 58, 59
Biskey, V, 271
Blaney, S, 352, 353, 354, 355, 356, 357, 358, 359, 360,
    361, 362, 363, 364, 365, 366, 367, 368, 369, 372,
    373, 375, 376, 377, 379, 380, 381, 382, 383, 384,
    386, 387, 389, 392, 393, 394, 396, 397, 400, 401,
    403, 404, 405, 406, 408, 409, 410, 413, 420, 422
Blaydon, S, 493
Bley, J, 534
Bohen, E, 214, 216, 217, 219
Brandt, U, 48
Braverman, S, 428
Brousseau, S, 40
Brown, A, 254
Brown, J, 438
Brown, M, 503
Burch, H, 136, 142, 151, 152, 167, 255
Burman, K, 131, 133, 136, 138, 143, 147, 152, 154, 156,
    157, 158, 159, 160, 161, 163, 164, 165, 167, 168,
    254
```

^{*} Reference is to page numbers in Volume II.

Burrell, L, 60, 195, 196, 198, 199, 332, 513 Byrd, J, 191, 191, 203 Cambier, P, 114 Campos, M, 123 Cantilena, L, 118, 124, 125 Carome, M, 211, 213, 219, 220, 221, 222 Carpenter, G, 24 Carr, F, 135 Carregal, V, 2, 22 Carter, A, 113, 116 Carvill, K, 452 Cavallaro, B, 491, 492 Chang, A, 145, 427, 434, 437, 464 Cheney, C, 170 Choma, T, 521 Chung, R, 43, 50, 51, 61 Clay, J, 469, 470, 475, 476, 478 Clement, S, 137, 140, 144, 221 Collier, E, 126 Colon, E, 448, 449 Cook, J, 518 Cooper, L, 29 Cord, M, 466, 471, 475, 476 Cortese, L, 55 Costabile, R, 554 Cremins, J, 186 Cross, A, 207 Crowell, M, 322 Cukier, A, 531 Curley, M, 334 Darling, B, 341 Davis, W, 22, 495 Dawson, N, 193 DeCesare, E, 278 DeMarkles, M, 174 DeVries, W, 509, 510, 514, 520 Degnan, B, 344 Dennis, G, 243, 250, 254 Derderian, S, 224, 237, 245 Diehl, L, 164 Dillard, T, 225, 229, 231, 236 Dillingham, T, 426, 427, 429, 431, 433 Dobek, A, 35, 36 Doyle, J, 232, 243 Drabick, J, 207 Duester, P, 161

^{*} Reference is to page numbers in Volume II.

```
Duncan, W, 145, 148, 150, 155
Earls, J. 448, 449
Edwards, E, 326, 332, 354, 355, 357, 358, 359, 361,
    362, 363, 364, 365, 366, 367, 368, 370, 371, 372,
    373, 374, 375, 376, 377, 379, 380, 382, 383, 385,
    386, 388, 389, 390, 391, 394, 398, 399, 405, 407,
    408, 418, 420, 421, 423
Edwards, F, 456
Eliasson, A, 230, 243, 244
Engler, R, 1, 2, 5, 13, 23, 130, 495
Erbe, E, 441
Esposito, M, 436
Farley, J, 280
Febo, M, 445
Finelli, M, 242
Fisher, C, 135
Fontana, J, 457, 459
Francis, G, 323, 324, 325, 333, 334
Francis, T, 141
Garrett, M, 448
Gasser, R, 206
Giangeruso, E, 201, 202
Glass, A, 132, 166
Glenn, R, 39
Gold, P, 161
Gordon, J, 458
Gorman, P, 115, 121, 122, 127
Grabenstein, J, 42
Grant, K, 465, 474, 476
Graumlich, J, 125
Greenwell, H, 556
Greilich, P, 464
Grosso, N, 507
Gurczak, P, 119
Gurevich-Uvera, J, 530
Gurney, C, 271, 277
Guzzi, L, 451, 462
Hale, D, 488, 489, 490
Hall, D, 434
Hall, E, 239
Hamm, C, 38, 237
Harrington, G, 486
Harris, T, 42
Hartman, K, 200, 202, 249
Hawkes, C, 49, 63, 64, 65
Hayda, R, 501
```

^{*} Reference is to page numbers in Volume II.

```
Herden, M, 418, 419, 422
 Hershey, J, 3, 4, 6, 7, 8, 10, 11, 12, 14, 15, 16, 17,
     18, 19, 21, 322
 Hetzler, N, 487
 Hicks, C, 43, 56, 191
 Hiner, W, 55
 Hinson, R, 350
 Hnatiuk, 0, 231, 232, 241
 Hollinger, J, 532, 533, 534
 Hopkins, T, 234
 Hopkinson, W, 499, 500, 502, 508
 Hospenthal, D, 203
 Howard, R, 431
 Howie, P, 437
 Huh, M, 20
 Hull, R, 112, 117, 120
 Hurwitz, K, 235, 244
 Irby, P, 555
 Isaac, J, 67
Jabbari, B, 260, 261, 263, 264
Jacob, E, 505
James, W, 128, 130, 168
Johnson, S, 53, 56, 58, 59, 206, 208
Jones, F, 445
Jones, K, 274
Joslin, S, 439
Kapur, J, 30, 438
Karan, S, 456, 461, 463
Katona, I, 250
Kerns, D, 556
Keslar, P, 163
Kester, K, 208
Kiandoli, L, 212, 214
Kikendall, J, 1, 176, 183
Kilkelly, F, 523
Kishbaugh, D, 431
Kleinman, D, 52
Kline, M, 453, 455
Klipple, G, 200, 246, 247, 248, 249, 253
Knutsen, S, 233
Kobylarz, E, 265, 266
Konzelman, J, 52
Kosisky, S, 24
Kroenke, K, 187, 188, 189
Kufs, W, 123
Kumke, K, 231, 237
```

^{*} Reference is to page numbers in Volume II.

```
Kushner, J, 146
La Russa, V, 205
Lahiri, S, 139, 162
Laird, J, 121, 122, 123, 156
Lande, R, 437, 444
Landry, F, 189
Lasswell, W, 155, 156
Latimer, J, 336, 345
Lauder, T, 430
Leek, M, 467, 472, 473, 478, 479, 480, 481, 482, 483
Leone, L, 260
Lepler, L, 240
Lewis, D, 546
Ling, G, 266
Lojeski, E, 453
Longer, C, 485
Lower, R, 501
Lucas, C, 189
Lucey, C, 187
Lukes, Y, 157
Magill, A, 206
Maldonado, J, 269
Mann, E, 44, 530
Marlowe, S, 41
Marple, R, 187
Martin, B, 146
Martinez, M, 1
Mateski, D, 176
Matson, M, 460
Maybee, D, 327, 352, 353, 354, 355, 356, 357, 358, 359,
    360, 361, 362, 363, 364, 365, 366, 367, 368, 369,
    370, 371, 372, 373, 374, 375, 376, 377, 378, 379,
    380, 381, 382, 383, 384, 385, 386, 387, 388, 389,
    390, 391, 392, 393, 394, 395, 396, 397, 398, 399,
    400, 401, 403, 404, 405, 406, 407, 408, 409, 410,
    411, 412, 413, 414, 415, 416, 417, 418, 419, 420,
    421, 422, 423
Maydonovitch, C, 171, 172, 178, 184, 186
Mayer, A, 282, 283, 284, 285, 286, 287, 288, 289, 290,
    291, 292, 293, 294, 295, 296, 297, 298, 299, 300,
    301, 302, 303, 304, 305, 306, 307, 308, 309, 310,
    311, 312, 313, 314, 315, 316, 317, 318, 319, 320,
    321
Mayer, M, 532, 533, 534
Mayers, D, 57
McAdams, H, 449
```

^{*} Reference is to page numbers in Volume II.

```
McClain, J, 207
 McClean, M, 466, 468, 469, 470, 477
 McCormack, E. 2, 5
McEvoy, P, 35, 208
McFarland, J, 369
McHale, K, 496, 501, 514, 524
McKenzie, P, 530
McLeod, D, 537, 538, 539, 540, 542, 544, 545, 547, 548,
Mewshaw, B, 246, 247, 248
Miller, J, 339
Moore, J, 209, 211, 212, 213, 216, 218
Moores, R, 329, 331, 340, 342, 346
Moses, F, 169, 173, 179
Mosijczuk, A, 352, 353, 356, 360, 370, 371, 374, 381,
    384, 385, 387, 388, 390, 391, 392, 393, 396, 397,
    398, 399, 400, 401, 402, 403, 404, 406, 407, 409,
    410, 413, 419, 421, 423
Moul, J, 540, 542, 545, 548, 549, 550
Murphy, J, 176
Nagy, E, 133
Nannis, E, 48
Nelson, B, 424
Nicholson, D, 148, 150, 438
O'Connor, F, 41
O'Malley, P, 190
O'Neill, T, 341
Oleshansky, M, 435
Olson, E, 500
Osenbach, R, 263
Oster, C, 43, 50, 55, 57, 60
Pacicco, T, 185
Pamnani, M, 217
Park, R, 282, 283, 284, 285, 286, 287, 288, 289, 290,
    291, 292, 293, 294, 296, 297, 298, 300, 302, 303,
    304, 305, 306
Parker, J, 229, 236, 238
Patterson, A, 39
Payne, M, 36, 157, 333, 341, 477
Pearl, R, 336
Pearson, C, 119, 122
Peller, T, 173
Petrov, J, 272
Phillips, W, 456
Phillips, Y, 228, 233, 235, 236, 245
Pierce, J, 330
```

^{*} Reference is to page numbers in Volume II.

```
Pineiro, V, 336, 345
Podraza, B, 478
Polly, D, 497, 513, 515, 516, 526, 527
Polly, S, 495
Popham, S, 222
Popovic, N, 505, 511, 512, 517, 518, 519, 522, 523,
    525, 528, 529
Poropatich, R, 223, 228
Poth, M, 323, 335, 338, 343, 344
Prewitt, K, 114, 121
Radford, B, 25
Rajagopal, K, 224, 226, 227, 245
Raszka, W, 347, 349
Rayburn, D, 240
Redfield, R, 45, 53, 58, 59, 62, 66
Reeder, J, 272
Reid, T, 201, 202, 204, 205
Rich, I, 270, 275
Ries, M, 487
Robb, M, 46, 47
Robinson, C, 337, 351
Rock, D, 466
Rogers, P, 344, 345
Rosenberg, M, 262
Rothberg, J, 445
Rothman, S, 35
Roy, M, 190
Salata, K, 3, 4, 6, 7, 8, 10, 11, 12, 14, 15, 16, 17,
    18, 19, 20, 21, 25, 26, 27, 28, 29, 30, 322
Salazar, A, 256, 257, 258, 259, 268
Salvado, A, 205
Sarnecky, M, 271, 276
Schaaf, M, 134
Schaudies, P, 34
Schempp, C, 277
Schwartz, G, 60
Sfikakis, P, 252
Shaver, T, 494
Shay, S, 177
Shotkin, J, 273
Sihelnik, S, 541, 543, 551, 552
Sinoff, S, 267
Sjogren, M, 175, 180, 181, 182
Sjogren, R, 174, 177
Skelton, H, 54
Smallridge, R, 135
```

^{*} Reference is to page numbers in Volume II.

```
Smith, A, 518
Smith, K, 54, 129
Smith, L, 5
Smith, S, 146, 279
Solimando, D, 425
Solomon, B, 131, 143, 145, 151, 154, 165
Squire, E, 9
Stamatos, J, 450, 454
Stewart, F, 442
Stoltzfus, D, 223, 484
Striker, L, 211
Stuart, J, 505, 506, 508
Summers, W, 467, 468, 473, 479, 480, 483
Surr, R, 471
Taylor, T, 149
Temple, T, 498
Teneriello, M, 281
Tesar, J, 253, 255
Thompson, P, 468
Thwaites, B, 484
Tomoshok, L, 48
Torrens, J, 153
Torrington, K, 232, 233, 234, 239, 242
Tseng, Y, 209
Tsokos, G, 31, 32, 33, 251, 252, 253
Turiansky, G, 129
Turnicky, R, 44
Uhorchak, J, 508
Vauter, R, 42
Verma, A, 266
Vernalis, M, 484
Wagner, K, 57
Wain, H, 443
Walden, B, 471, 474
Ward, F, 199, 200
Ward, T, 491, 492
Wartofsky, L, 131, 154, 167
Watson, R, 555
Weisman, L, 328
Weiss, R, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78,
    79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90,
    91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102,
    103, 104, 105, 106, 107, 108, 109, 110, 111, 192,
    194
Welch, M, 129
Welch, P, 218, 221
```

^{*} Reference is to page numbers in Volume II.

Wertz, F, 491, 492 Whatmore, D, 485, 486 Wiesen, A, 203 Wiley, T, 117 Williams, S, 447 Winn, D, 52 Wiswell, T, 340 Wong, P, 190 Wong, R, 171, 172, 174, 178, 184, 185 Wortham, D, 114, 118, 124, 125 Wray, H, 150, 155 Wright, D, 249 Xenos, J, 500, 502, 504 Yavorski, R, 184 Yee, L, 457 Yin-Ying, D, 163 Yuan, C, 210, 212, 214, 215, 216, 217, 219, 222 Zeigler, D, 429 Zorn, B, 553 Zuehlke, R, 556 Zurcher, R, 535, 536 vanDam, B, 507

^{*} Reference is to page numbers in Volume II.

SUBJECT INDEX*

1,25-Dihydroxyvitamin D, 155 111 In-CYT-356, 547, 548 24 hr pH monitoring, 172 3NP, 209 5-alpha-reductase, 323 5-fluorouracil, 129, 299 5-FU/leucovorin, 312 5FU, 305 5FU control arm, 95 ablation, 152 ABMT, 332 ABVE, 416 Acadesine, 457 accessory pathway, 120 accrual, 399 achalasia, 171 acoustic analyses, 468 activation, 6 acute leukemia, 81 acute myelocytic leukemia, 365 acyclovir, 63 adaptation, 271 adenocarcinoma, 95, 296, 309 adhesion molecules, 32 adjuvant, 100 adjuvant chemotherapy, 72 adjuvant radiotherapy, 540 adjuvant therapy, 79, 85 adolescent medicine, 337 adolescents, 351 adrenal imaging, 446 adult, 502 adult acute leukemia, 192 adult dysarthria, 468 advance directives, 189 advanced, 96, 288, 289, 300 advanced stage, 401 adverse reactions, 5 aeroallergen, 22, 24 AIDS, 50, 51, 64, 398 airway hyperreactivity, 235, 243 ALL, 104, 105, 382, 383, 384, 403 allergens, 3, 18 allergy, 8 allergy immunotherapy, 5 altitude, 233

^{*} Reference is to page numbers in Volume II.

SUBJECT INDEX*

ambivalence, 270 ambulatory, 441 aminothiadiazole, 285 AML, 73 AML/CML, 74 amonafide, 301 amphotericin B, 485 amputees, 431 anaphylaxis, 14 androgen, 323 androgen blockage, 542 anesthesia, 454 anesthetic, 462 angina pectoris, 119 angioplasty, 113 angiotensin II, 217 ankle, 500, 509 ANLL, 368 ANP, 147, 210 anti-D, 202 anti-lymphocyte, 494 antiarrhythmic therapy, 112 antibacterial agent, 36 antibiotics, 505 antibody, 27, 230, 250 antifungal drugs, 191 antigen, 107 antiphospholipid, 253 antiproliferative, 148 antisense, 220 Ara-C, 417 ARC, 49 Arginine, 160 Army, 278 Army Nurse Corps, 276 art, 437 arthroplasty, 502 aspirin, 25, 127 assay, 35 assessment, 437 asthma, 9, 235, 237, 244 astrocytoma, 395 atherectomy, 123 auditory, 478 auditory models, 481 auditory-visual, 465, 476

^{*} Reference is to page numbers in Volume II.

autoantibodies, 249 autoimmunity, 200, 252, 254 autologous, 195, 196, 326 autologous bone marrow, 365 azithromycin, 61 AZT resistance, 57 B lymphocyte, 250 B-adrenergic, 493 B-cell ALL, 419 B2-glycoprotein-I, 253 back pain, 496 bacteremia, 208 balloon, 113, 121 balloon angioplasty, 122 benefit, 474 beta-interferon, 257 bile acid, 489 biofeedback, 442 biology, 167, 371 biopsy, 449 biostator therapy, 334 bird, 21 bladder, 545 bladder cancer, 538 bleomycin, 295 blockers, 493 blood, 444 blood donors, 175 blood flow, 185 blood loss, 499 blood transfusion, 29 blood type, 27 bone, 145, 505, 506, 511, 520, 529, 532, 533 bone healing, 523 bone marrow, 60, 195, 196 bone mineral density, 153 bone substitute, 525 botulinum toxin-A, 264 bowe1, 555 Bowen's disease, 129 BPH, 551, 552 braces, 513 brain damage, 341 brain irradiation, 359 brain tumor, 396, 406, 407, 421 brain tumors, 374

^{*} Reference is to page numbers in Volume II.

```
brainstem, 269
breast, 103, 155, 278
breast cancer, 78, 79, 83, 107, 148, 520
breast masses, 447
breast milk, 2
bronchoalveolar lavage, 242
bronchodilators, 226
bronchoprovocation, 235
BTOPS, 541
Burkitt's lymphoma, 417, 419
bursitis, 248
buspirone, 237
c-erbB-2 oncogene, 549
c-reactive protein, 327
C. difficile, 35
CA15-3 antigens, 68
CABG, 459
caffeine, 444, 461
calcium, 489
calcium metabolism, 158
cAMP, 350
cancer, 103, 154, 163, 278, 293, 313, 488, 531, 539,
    545, 547, 548, 549, 550
cancer pain, 450
candidiasis, 485
capnography, 240
capsaicin, 429
carbocyanine (DIO), 16
carbonate, 174
carboplatin, 372, 397
carcinoma, 136, 155, 287, 288, 294, 297, 316, 387
cardiac outcomes, 457
cardiac repolarization, 118, 124, 125
cardiolipin antibody, 197
cardiopulmonary bypass, 456
carpal ligament injuries, 518
carpal tunnel syndrome, 67
cartilage, 510
casodex, 544
cathepsin D, 550
caudal epidural steroid, 463
causal models, 271
CCNU, 258
CD69, 16
celiac disease, 344
cervical, 315
```

^{*} Reference is to page numbers in Volume II.

```
cervix, 287, 297, 300, 304, 311, 316, 321
 changes, 152
 chemoprotective agent, 86
 chemoradiation, 313
 chemotherapy, 82, 88, 100, 103, 110, 195, 196, 319,
     368, 384, 386, 391, 392, 393, 397, 401, 402, 404,
     406, 413, 418, 419, 422
 chest radiography, 232
 child, pre-school, 406
 childhood, 369, 370, 383, 388, 389, 390, 396, 400, 402,
     403, 413
 childhood cancer, 378
childhood leukemia, 354
childhood tumor, 367
children, 47, 345, 371, 372, 373, 374, 377, 379, 382,
     391, 392, 393, 394, 395, 398, 405, 407, 408, 409,
    410, 411, 415
chlorambucil, 70
cholangitis, 173
cholecalciferol, 150
cholecystectomy, 234
cholesterol, 115
cholestyramine, 143
CHOPE, 108
chromic phosphate, 294
chromosome 10, 141
chronic myloid, 363
cirrhosis, 266
cis-platinum, 283, 302
cis-retinoic acid, 410
Cisapride, 177, 186
cisplatin, 214, 295, 299, 305, 310, 314, 381, 538
clinical isolate, 36
clomiphene, 132
CML, 77
CNS relapse, 380
coccygectomy, 507
coccygodynia, 507
cognition, 256
colitis, 169
collagen, 39, 213
collection, 317
colon cancer, 92
colon polyps, 176
colonic adenocarcinoma, 183
combat injuries, 524
```

^{*} Reference is to page numbers in Volume II.

combination therapy, 102 combined, 151 companion study, 77 compliance, 440 compressive nonlinearity, 482 computed tomography, 448, 449 computer modeling, 262, 470 concentration-controlled, 435 condylar measurements, 40 consolidation, 89 contamination, 508 contingency, 432 continous infusion, 111 contrasuppressor, 10 COPD, 225, 229, 486 coping, 271 cord, 455 coronary artery disease, 464 coronary mapping, 120 coronary vascular injury, 116 corticosteroid, 130 Corynebacteria, 208 coumadin, 127 critical care, 238 crossover, 89 crossover therapy, 70 cryopreserved human valve, 535, 536 Cushing's syndrome, 134 cyanoacrylate, 492 cyclical etidronate, 153 cyclophosphamide, 302 cyclosporin A, 212, 412, 420 cystectomy, 538 cytogenetics, 81, 91, 375, 376 cytokines, 162, 333 cytoprotection, 219 cytotoxicity, 7 Cytoxan, 417 data base, 55 decision making, 274 DEMO, 545 density, 145 dependent, 161 depression, 188, 434, 435 dermatology, 54 dermis, 130

^{*} Reference is to page numbers in Volume II.

Desert Shield/Storm, 432 Desert Storm casualties, 524 developmental regulation, 346 diabetes, 140, 144, 216, 217, 335 diabetes mellitus, 137, 221, 334, 338 diabetic gastroparesis, 177 diagnosis, 378, 445 dialysis, 218 diaminedichloroplatinum, 283 diarrhea, 1 differentiation, 205 diffuse liver disease, 179 dihydroxyanthracenedione, 284 DIO, 11 direction atherectomy, 122 disease progression, 43 disinfectants, 523 disinfection, 508 distal radius fractures, 518 diuretic, 458 diving reflex, 260 DNA, 307, 308, 309 dose, 161, 503 dose comparison, 97, 194 downregulation, 15 drug combination, 111 drug level, 92 drug use, 55 dust mite, 3 early HIV disease, 48 echocardiography, 484 ectopic, 17 EGF, 34 EGF-R, 168 electrocardiogram, 260 electrocatheters, 117 electroencephalography, 261 electromyography, 430 ELISA, 18 embryonal tumor, 388 emphysema, 225, 229, 233 enalapril, 216 endometrial, 296, 319 endometrium, 288 endoscopy, 190 endothelin, 139, 212, 214, 215

^{*} Reference is to page numbers in Volume II.

```
endothelin-1, 255
eosinophilia, 159
epidemiology, 43, 46, 52, 99, 369, 400
epidermal growth factor, 168
epidural, 450
epilepsy, 261
equilibration, 203
erectile, 554
ethics, 189
evoked potentials, 263
Ewing's sarcoma, 367
ex-vivo purge, 332
excitatory amino acids, 341
exercise, 227, 229
extracorporeal, 528, 529
extravascular lung water, 487
failure, 554
fat, 176
Fazarabine, 306
fetus, 346
fiber, 176
fiberoptic device, 460
fibrillation, 117
fibrinogen, 464
fibromyalgia, 429
fibrosis, 224
first relapse, 366
fixation, 506, 534
flow cytometry, 6, 7, 10, 11, 15, 19, 26, 28, 29, 307,
    308, 309, 322
fludarabine, 70
Fludarabine Phosphate, 198
fluorescence, 4
fluoxetine, 435
flutamide, 537
FMOC-Leu, 19
foot and ankle, 501
foot length, 329
fractures, 131
free, 151
frequency discrimination, 473
frequency resolution, 467, 481, 483
frequency transition, 473
frontal lobe, 256
function testing, 241
fungal, 24
```

^{*} Reference is to page numbers in Volume II.

```
funguria, 191
G-CSF, 192, 318
GABA, 266
gallium nitrate, 298
gastric emptying, 174
gastritis, 170, 178
gastroesophageal reflux, 172, 184, 336
gelatinase, 211
gene, 133, 135, 163
gene expression, 221
genetics, 374
gentamicin, 215
germ cell, 292
gestation, 17
gestational age, 329
ginger, 348
gingival, 556
glaucoma, 493
glipizide, 144
glipizide GITS, 137
glomerulonephritis, 213
glomerulosclerosis, 211
glucocorticoids, 147
glycosidase, 27
glycosylated, 140
GME, 428
gonad, 325
gp120, 59
gp160 vaccine, 62
graft, 508
Graves' disease, 143, 152, 164
group, 282
growth, 343
growth factor, 73, 490
growth factor priming, 74
guaiac, 555
gynecologic, 282
gynecologic cancer, 283
gynecologic cancers, 281
halothane, 461
harmonics, 480
head injury, 268, 478
headache, 452, 462
health care, 337
hearing aid, 471, 474
hearing impairment, 479
```

^{*} Reference is to page numbers in Volume II.

```
hearing loss, 472, 474, 475, 481
 hearing-impaired, 465, 467, 473, 483
heart failure, 112
heart rate, 260
heat shock, 219, 222
height, 236
helicobacter pylori, 170
hemodynamic responses, 451
hemoglobin, 203
Hemophilia A, 30
hepatitis B, 345, 351
hepatitis C, 180, 181
hepatitis C antibody, 175, 182
hepatoblastoma, 373, 422
hepatocellular carcinoma, 373
Heplocks, 273
herpes zoster, 63
Hexabrix, 156
high-dose, 108
high-dose cytosine, 90
high-dose interferon, 84
hip, 502
Hispanic, 445
history, 276
HIV, 43, 47, 49, 50, 51, 52, 53, 54, 56, 57, 65, 66,
HIV infection, 58, 59, 62, 242, 277
HIV risk behaviors, 48
HIV RNA, 44
HIV seropositive, 45
HIV viral load, 44
HIV-1, 60
HLA, 166
HLA-DQ, 30
hoarseness, 184, 530
Hodgkin's disease, 110, 164, 355, 364, 369, 370, 401,
    416
Holter monitor, 114
homoharringtonine, 362
honey, 36
human, 139
humoral immunity, 250
hydrocortisone, 147
hydroxyurea, 304
hypercortisolemia, 134
hypersensitivity, 21, 130
```

^{*} Reference is to page numbers in Volume II.

hypertension, 216, 217 hyperventilation, 244 hypnotic capacity, 443 hypocortisolemia, 134 hypogammaglobulinemia, 1 hypoglycemia, 341 hypothyroidism, 255 hypoxia, 225, 233 I-131 NP-59, 446 ibuprofen, 178 ICAM-1, 12 ICE, 423 idarubicin, 394, 409 idiopathic scoliosis, 515, 527 ifosfamide, 290, 291, 303 IgE, 8 IGF-1, 490 immune response, 23 immunization, 495 immunodeficiency, 13, 23 immunoglobulin, 1, 2, 21, 105, 207 immunohistochemistry, 546 immunologic, 17 immunological changes, 20 immunology, 25, 75, 106 immunosuppression, 16 immunotherapy, 10, 22 inactivation, 201 IND, 206 indices, 556 indomethacin, 185 induction, 89 induction study, 74 infant, 386 infant brain tumor, 359 infant leukemia, 380 infection, 339, 505 inflammation, 280 information-processing, 478 infrared, 339 inhibitor, 30 injuries, 501 insane, 437 inspiration, 226 insufficiency, 161 insulin, 140

^{*} Reference is to page numbers in Volume II.

integrins, 249 intensity, 479 interferon, 321, 345, 363 interferon alpha, 181 interleukin-1, 12 interleukin-6, 350 intermediate markers, 183 interstial cystitis, 553 intervention, 272 interview, 99 intracoronary stents, 116 intracranial pressure, 458 intraocular, 491 intravenous, 202 intravenous catheter, 460 investigational, 94 iodide, 162 iodine 131, 138 iontophoresis, 129, 246, 247, 248 irradiation, 322, 416 irritable bowel syndrome, 186 isoniazid, 556 IVIG, 20, 328 JCML, 410 ketamine, 37 kidney, 209, 210, 220 Klebsiella, 207, 230 knowledge, 272 kyphoscoliosis, 245 L-tryptophan, 159 L5, 427 labor, 333 laboratory analysis, 382 laceration, 492 large cell, 358 large cell lymphoma, 97 laser, 504, 510 laser Doppler, 185 laser welding, 521 late phase response, 244 lateral ligaments, 509 leishmaniasis, 206 leucovorin, 83 leukemia, 69, 75, 106, 360, 362, 363, 386, 405, 408, 413 leukotriene B4, 15

^{*} Reference is to page numbers in Volume II.

leuprolide, 537 level, 444 Levothyroxine, 158, 165 ligaments, 500 limited chemotherapy, 71 lipid, 37, 330 lipid peroxidation, 335 lithium, 174 lithotripsy, 512, 555 liver enzymes, 454 local anesthetic, 453 localized, 379, 411 long-term culture, 204 long-term effects, 370 low back pain, 41 low grade lymphoma, 96 low-dose, 485 low-dose interferon, 84 lumbar epidural steroid, 463 lumbar lordosis, 516 lung, 488 lung cancer, 82 lung mechanics, 227 lupus, 32 lupus anticoagulant, 197 Lupus erythematosus, 33 lymph node biopsy, 44 lymph node positive, 80 lymph nodes, 315 lymphocyte, 4, 22, 75, 251 lymphocytic leukemia, 198, 354 lymphoma, 98, 108, 358, 411 MAC, 347 magnesium, 477 magnetic stimulation, 263 malignancy, 291, 301, 306, 312, 320, 398 malignant germ cell tumor, 377, 379 malignant glioma, 388 malignant ovarian tumors, 286 malnutrition, 146 mammary arteries, 149 mandibular movement, 40 marrow transplantation, 326 masking, 483 mast cell, 14 materials, 532, 533

^{*} Reference is to page numbers in Volume II.

maturation, 28 maximum dose, 111 MCH, 157 mechanical ventilation, 223, 486 mechanics, 226 meconium, 340 meconium aspiration, 331, 342 medical castration, 544 medical discharge, 436 medical therapy, 551, 552 medulloblastoma, 359, 381 MEN II, 141 meniscus, 510 mesangium, 222 Mesna, 290, 291 metabolic parameters, 33 metastatic, 83, 193, 194, 422, 520 metastatic breast cancer, 68 methotrexate, 9, 12, 173, 354, 361 MicroGeneSys rgp160, 47 microscopic/collagenous, 169 military, 337, 426 military performance, 48 milk, 34 MLC, 11 moderate head injury, 259 molecular, 167 monoclonal, 8 mononuclear cells, 438 mood variance, 434 MOPP/ABVD, 355, 364 morphine, 425 motor nerve conduction, 433 MRI, 498 mRNA, 150 mucosal immunity, 13 mucosal injury, 178 multi-drug resistance, 93 multinodular goiter, 138 multiple myeloma, 513 multiple sclerosis, 257 MUSE, 554 myalgia, 159 mycobacteria, 349 myelodysplasia, 109 myelodysplastic, 99

^{*} Reference is to page numbers in Volume II.

myelogenous leukemia, 332 myelopoiesis, 60 mylohyoid nerves, 433 myocardial infarction, 114, 126, 127, 451, 459 myocardial ischemia, 451 narcotics, 450 nasopharyngeal, 387 natural history, 46, 51, 182 natural killer cells, 7 nausea, 348 Nef, 142 neonate, 328, 329 nephroblastoma, 356 nephropathy, 221 nerve growth factor, 553 neuroblastoma, 376, 385, 400, 404, 415, 418 neuroendocrine, 160 neuromotor control, 470 neuropsychiatric, 33 neurosurgery, 458 neurosyphilis, 65 neutropenia, 200 neutrophil, 19, 330 nitrates, 119 nitric oxide, 149 no standard therapy, 86 nocturnal, 172 nocturnal enuresis, 543 nocturnal oxygenation, 245 nodal radiation, 364 node positive, 78, 79 noise, 472 non-compliance, 424 non-lymphoblastic, 362 non-ulcer dyspepsia, 177, 186 nonprotein calories, 279 nutrition, 279 nyctohemeral, 165 observation, 84, 85 obstructive lung disease, 240 ocular eye, 491 oligonucleotides, 220 oligospermia, 132 oncogenes, 109 oncology, 106, 282 oncology patients, 274

^{*} Reference is to page numbers in Volume II.

oncology treatment, 399 optic pathway tumors, 371, 372 optimal dose, 102 oral diseases, 52 orchiectomy, 539 organizational model, 432 orofacial force control, 468 ostectomy, 511 osteitis, 39 osteoarthritis, 247 osteoconductive potential, 519 osteogenic, 420 osteosarcoma, 357, 397 osteotomy, 504 outpatient, 441 ovarian, 292, 293, 294, 314, 317, 318, 320 ovarian carcinoma, 299, 307, 310 ovarian tumors, 308 ovary, 286, 302 over age 60, 73 oxandrolone, 343 oxygen consumption (VO2), 223 P-glycoprotein, 412 p53, 136, 546 p53 gene, 281 pain, 272, 425 pain relief, 513 pap, 280 para-aortic, 311 pathogenesis, 254 pathologic Stage C, 540 patient expectations, 187 patient satisfaction, 187 PCP, 64 pediatric, 385, 387 pediatric planovalgus, 514 pediatric tumors, 352 pelvic, 301, 306, 312 pelvic malignancies, 284, 285, 298 Pentostam, 206 peptic ulcer, 170 perceptions, 428 pericardial window, 121 perinatal HIV, 46 peripheral IV catheters, 273 pharmacodynamics, 425

^{*} Reference is to page numbers in Volume II.

pharmacoepidemiology, 42, 55 pharmacokinetics, 118, 124, 125 pharmacy, 42 phase, 482 Phase I, 87 Phase III, 316 phenotypic changes, 20 Philadelphia chromosome, 76, 104 photoreceptors, 265 physical medicine, 428 physis, 522 picornavirus, 128 pituitary, 324 pityriasis rosea, 128 placenta, 333 plasma, 201 platelet function, 464 plugs, 39 pneumatic dilation, 171 pneumococcal, 495 Pneumocystis carinii, 242 pneumoperitoneum, 448 POG, 361 pollen, 24 poly-ICLC, 258 polycaprolactone foam, 519 polycarbonate, 491 polymerase chain reaction, 128 polysaccharide, 495 polysomnography, 269 poor prognosis, 72 poor risk, 384 poor risk Hodgkin's, 71 post dural puncture, 452, 462 post-gastrectomy, 85 post-menarche, 527 post-op radiation, 72 post-remission, 90 posterior spinal fusion, 515 postmenopausal, 80, 131 postoperative, 239 postoperative spirometry, 234 potency, 3 potential, 286 pravastatine, 115 prediction equations, 236

^{*} Reference is to page numbers in Volume II.

```
predisposing factor, 117
preferred, 471
pregnancy, 275, 496
pregnancy attitudes, 270
pregnant women, 66, 348
preoperative, 241
preparations, 494
prescription, 424
prevalence, 351
prevention, 41
primary, 146
primitive neuroectodermal, 367
progressive adenopathy, 198
proliferation, 4, 222
prostacyclin, 212, 214, 215
prostaglandin, 350
prostaglandin E2, 338
prostate, 539, 541, 547, 548, 549, 550, 551, 552
prostate cancer, 194, 537, 540, 542, 544
prostatism, 553
protein, 142
proto-oncogenes, 438
Pseudomonas, 207, 230
psychiatric, 190
psychiatric diagnoses, 436
psychiatry, 188, 440
psychological import, 144
psychology, 275
psychometrics, 188
psychosocial adaptation, 69
Puerto Rican, 445
pulmonary, 241
pulmonary changes, 239
pulmonary disease, 231
pulmonary function test, 231
pulmonary nodule, 449
pupillary defects, 262
pupillary size, 265
PWB spine system, 497
quality of life, 277
rabbit, 511, 512, 525
rabbit ulna, 528
radiation, 88, 100, 296, 304, 305, 311, 315, 319, 355
radiation therapy, 82, 389, 407, 531
radiculopathy, 427, 430
radiofrequency ablation, 120
```

^{*} Reference is to page numbers in Volume II.

radiotherapy, 381 radiotherapy (XRT), 396 randomized, 293 rare tumors, 352 Ras gene, 109, 281 rat, 34, 453, 519 Raynaud's, 255 receptor, 150, 490 receptor positive, 78, 80 recognition, 146 recombinant GP160, 66 recurrent, 385, 421, 423 recurrent brain tumor, 402, 409 recurrent disease, 498 recurrent leukemia, 394 recurrent sarcoma, 390 red cell, 322 red cell antigens, 26 referral, 441 reflexes, 427, 469, 477 refractory, 98 refractory cancer, 193 refractory disease, 368 rehabilitation, 426 relapse, 403 relapsed, 98, 405 relaxation, 442 REM sleep, 269 renal cell, 93 renal tubular cells, 219 renal tumor, 356 repair, 532, 533 resolution, 480 respiration, 237 respiratory control, 224 response, 503 restenosis, 122 reticulocyte, 26, 28, 29 retrovirus, 254 rgp 120 Genentech, 45 rgp160, 53, 58 rh BMP-2 protein, 517 rhabdomyosarcoma, 361, 391, 392, 393 rheumatoid arthritis, 243, 246, 249 rigid, 534 rigidity, 264

^{*} Reference is to page numbers in Volume II.

RNA, 133 RSV, 328 saline lavage, 342 sarcoidosis, 228 sarcoma, 289, 290, 303, 420 schizophrenia, 438 schizopreniform, 439 sciatica, 463 scintigraphy, 179 scleral, 492 sclerosing, 173 screening, 183 seizure, 261 sequential chemotherapy, 273 sequential therapy, 90 serine, 346 serum antibiotic levels, 499 severity, 466 sex steroids, 335 sexual intercourse, 114 shock, 210 shockwaves, 503, 512, 522, 528, 529 short stature, 344 sickle cell disease, 327 SIL2R, 334 silent interval, 475 single-agent, 94 sinusitis, 13 skeletal, 534 skeletal muscle, 461 SLE, 251 sleep, 224, 245 sleep apnea, 38 smoking, 41 smooth muscle cell, 116 snoring, 38 soft tissue sarcoma, 412, 498 soldiers, 277 solid malignancy, 326, 414 solid tumor, 86, 87, 101, 102 Somalia, 42 somatization, 187 somatomedin C, 323 somatostatin, 338 spasticity, 264 spectral, 480

^{*} Reference is to page numbers in Volume II.

spectral contrast, 482 spectrum, 472 speech, 469, 470, 479 speech kinematics, 466 speech perception, 465, 467, 475, 476 speechreading, 476 spermatozoa, 166 spinal, 455 spinal cord, 263 spinal fusion, 497 spirometry, 236, 240 spondylolisthesis, 526 Sprotte needle, 452 SQ 32, 756 (BV-araU), 63 squamous, 321 squamous cell carcinoma, 300 stability, 18 Stage B2, 542 Stage II, 107 Stage IV breast cancer, 94 Staphylococcus aureus, 218 stem cells, 204, 205 stimulation, 455 stress hormone production, 456 stress testing, 119 stuttering, 466, 469, 477 suboptimal, 287 substance P, 429 substernal goiter, 138 subtalar stabilization, 514 subtotal nodal radiation, 71 sulfamethoxazole, 347 sulfasalazine, 169 suppressor, 6 supratentorial tumor, 389 suramin, 193 surfactant, 331 surfactant therapy, 342 surgery, 404, 488 surgical resection, 88 survey, 154 survival, 112 survivors, 69 susceptibility, 349 symptom distress, 270 symptom onset, 378

^{*} Reference is to page numbers in Volume II.

symptoms, 190 syndemosis, 500 syphilis, 56 systemic sclerosis, 31, 252 T lymphocytes, 32 T-cell, 252, 360, 408 T-cell receptor, 105 T-lymphoblastic leukemia, 366 T-non-Hodgkin's lymphoma, 366 tamoxifen, 132 taxol, 101, 310, 314, 318, 320, 414, 421 Tc-99m-Sestamibi, 447 temporal nerves, 433 tendinitis, 248 tendon, 506 tendon repair, 521 terfenadine, 118, 124, 125 testicular cancer, 546 TGF-beta, 31 therapy, 65, 115, 228 thermometry, 339 thoracentesis, 232 thoracic bioimpendance, 487 thoracoplasty, 515 thrombocythemia, 199 thrombocytopenia, 202 thrombolytic therapy, 126 thrombosis, 253 thymosin alpha-1, 181 thyroid, 133, 136, 139, 154, 157, 163, 167 thyroid function, 156 thyroid hormone, 131, 209 thyrotropin, 142, 162 thyroxine, 145, 151 TIMP, 213 TIMP-1, 211 tissue, 317 TNF, 113, 324, 325 topotecan/cisplatin, 87 total joint arthroplasty, 499 total parenteral, 279 toxicity, 92, 418 toxin B, 35 transesophageal, 484 transfusion, 203 transmission, 180

^{*} Reference is to page numbers in Volume II.

transplant, 365 transplantation, 166, 494 trauma, 431 traumatic brain injury, 259, 268 treatment, 56, 64, 137, 274 treatment complications, 353 Trendelenburg, 38 TRH, 135 trial period, 471 triamcinolone acetonide, 228 trimethoprim, 347 Trisomy 12, 91 tryptase, 14 TSH, 135, 165 tumors, 292, 352, 423 Turner's Syndrome, 343 TURP, 541 ulna, 525 ultra long, 453 ultradian rhythms, 434 unresectable, 95 untreated CML, 76 upper airway, 227 uptake, 156 urine cultures, 191 urine osmolality, 543 urushiol, 25 uterine, 303 uterus, 289 vaccination, 23 vaccine, 45, 218 vaccine therapy, 53, 58, 59, 62 valved allograft conduits, 535, 536 vasopressin, 160 VATS, 239 venom immunotherapy, 5 ventilation, 331 ventilatory control, 266 videostroboscopy, 530 vinblastine, 93 virus, 201 virus culture, 50, 57 vitamin D receptor, 148 vocational rehabilitation, 431 volume, 484 VP-16, 295

^{*} Reference is to page numbers in Volume II.

vulva, 313
Walter Reed stage, 54
war, 426
war injuries, 524
war-time, 275
warfare, 501
Wilms' tumor, 353, 356, 375
withdrawal of care, 238
work of breathing, 223, 486
xylazine, 37
YAC, 141
zidovudine, 49

^{*} Reference is to page numbers in Volume II.